

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

LIBRARY
RECEIVED
SEP 12 1916
U. S. Department of Agriculture

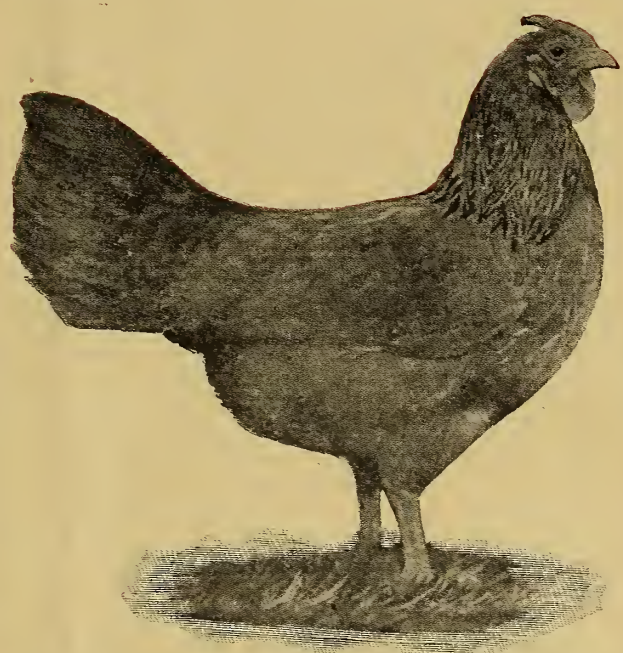
THE INDUSTRIOUS HEN

5¢ A Copy

50¢ A Year

SEPTEMBER, 191

Secretary of Agriculture



Worthington Strain, Rose Comb Brown Leghorns—Second Hen at the Panama Pacific International Exposition. Bred and exhibited by Mr. Claire C. Worthington, Evansville, Ind.

Blair-Young Publishing Co.
INCORPORATED
Louisville-----Kentucky

W. J. SMITH ART STUDIO

THE Industrious Hen

Absorbing Poultry Ideas, Louisville, Ky.; Practical Poultry, Birmingham, Ala.; The Poultry Times, Norfolk, Va.; Southern Poultry Magazine, Nashville, Tenn.; The Poultry News, Bustleton, Pa.; Tennessee Poultry Journal, Lebanon, Tenn.; The National Poultry Breeder, Owensboro, Ky.; Everybody's Poultry Journal, Nashville, Tenn.; The Leghorn Journal, Appomattox, Va.

PUBLISHED BY
BLAIR-YOUNG PUBLISHING COMPANY
(Incorporated)
901-2 The Republic Building,
Louisville, Kentucky.



Entered as second-class matter at the Post-office at Louisville, Ky., under Act of March 8, 1879.

PUBLISHED MONTHLY, FIFTY CENTS
PER YEAR.

Officers and Directors.

COLLINS YOUNG, President and Manager.
THOS. J. KNIGHT, Vice-President.
J. GAYLORD BLAIR, Secretary-Treasurer.

Editorial and Business Staff.

J. GAYLORD BLAIR, Managing Editor.
EDW. M. GRAHAM, Associate Editor.
W. J. SMITH, Artist.
F. A. GOODLIN, Traveling Representative.

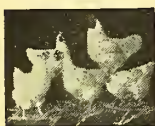
SUBSCRIPTIONS—One year 50 cents; three years \$1.00. Foreign subscriptions 75 cents. In order to start with current number, the subscriptions must be received at the office by the 10th of the month.

PUBLISHERS' ANNOUNCEMENT—All manuscript and copy for change of advertisements should be in our hands promptly by the 10th of the month preceding date of issue. **THIS IS IMPORTANT.** New business can be accepted as late as the 25th of the month, but special position cannot be guaranteed.

WE ALWAYS STOP THE MAGAZINE at the expiration of the time paid for unless a renewal of subscription is received. Those whose subscriptions have expired must not expect to continue to receive the magazine unless they send the money to pay for it another year.

MISSING NUMBERS—It occasionally happens that numbers of our magazine sent to subscribers are lost or stolen in the mails. In case you do not receive any number when due, write us a postal and we will cheerfully forward a duplicate of the missing number.

ADVERTISING RATES ON APPLICATION



RHODE ISLAND WHITES

Exhibition birds. Winter layers. Describe what you want.

MRS. C. M. VERTREES,
Cecilia, Box E Ky.

PROGRESSIVE POULTRYMAN

Published Monthly

50 Cents per year, 3 years \$1.00

Send 10 Cents

Three months trial subscription.

B. E. ADAMS, Box 103H Columbus, Ga.

PIGEONS PAY

Better Than Chickens
Young pigeons (squabs) bring 40 to 60c each when 3 to 4 weeks old. Big demand in city markets. Each pair of pigeons easily clear \$4 per year. Always penned up. Very little space and money needed to start. Free Book explains all. **MAJESTIC SQUAB CO.**, Dept. 57 ADEL, IOWA.

FREE BOOK

48 Lessons In Poultry Culture

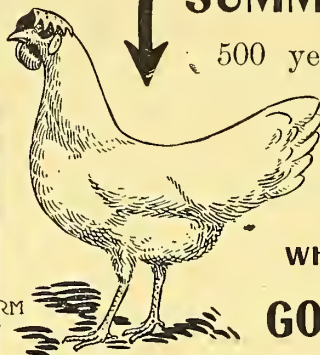
Covering every phase of poultry husbandry, each lesson complete, thorough, practical. Written by Quisenberry, the man who has done more for the poultry industry than any man in America. No matter whether you are an old hand or just beginning you will find these lessons will pay for themselves many times over. Write today for our free illustrated book, "Dollars and Sense In the Poultry Business." It tells the tale. **American School of Poultry Husbandry**, Box 60 Mountain Grove, Mo.



GOLDEN ROD EGG FARM

PRODUCES

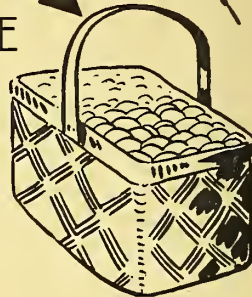
SUMMER CLEARANCE SALE



500 yearling and two-year-old hens.

\$1.00 to \$1.50 each. 300

Barron strain cockerels, four months old, \$1.25 each. Immediate shipment.



WHITE LEGHORNS EXCLUSIVELY

GOLDEN ROD EGG FARM,
HARDINSBURG, KENTUCKY

DO NOT READ THIS

Unless you want to raise some SURE ENOUGH all around chickens, good to eat, good layers in winter, good to bring home the blue if shown. They are healthy, hardy hustlers and do not have the gapes. Eggs from three fine yards. No. 1, all first prize winners, \$5.00 per 15; No. 2, \$3.00; No. 3, \$1.50.

W. F. McREYNOLDS, Buff Leghorn Specialist,

MEMBER A. B. L. C.

GRACEY.

R. No. 3

KENTUCKY

FOR SALE, AN EGG MACHINE

Lawson's Egg Machine S. C. White Leghorns. Eggs, stock, day old chicks, one or a thousand. Mating list tells, its free.

A. J. LAWSON, R. No. 4 Cleveland, Tenn.

READ

The liveliest poultry paper in the South, **THE INDUSTRIOUS HEN**. Valuable articles each month on mating, feeding, poultry diseases, etc. Sample copy free. Trial subscription three months 10c. Let us tell you how you can get a pen of purebred birds absolutely free.

THE INDUSTRIOUS HEN, Dept. A Louisville, Ky.

PRINTING

For The Poultry Raiser

500 Letterheads (size 8½x11), 500 Envelopes, 500 Cards, delivered upon receipt of \$3.25. Low prices on all kinds of printing.

THE WENDELL COMPANY

Particular Printing for Particular People
LOCK BOX 157, NORWICH, N. Y.

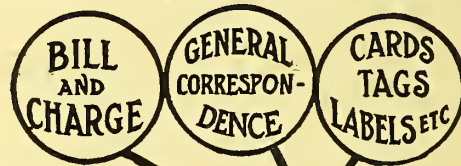
BIG NEW POULTRY JOURNAL

edited by Quisenberry, former Director of Mo. Poultry Experiment Station, and other practical Poultrymen. Each issue brim full of practical, up-to-date articles; questions and answers on vital poultry problems; latest results from various Experiment Stations; reports of all laying contests and information which will help insure your success. 12 months trial only 25 cents.

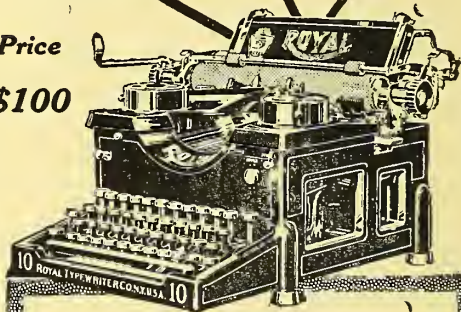


"Get It Now"

POULTRY CULTURE, Dept. F, Kansas City, Mo.



Price
\$100



The Royal

does the work of several typewriters in one—it writes, types cards and bills! All this without a dollar for "special" attachments. The one machine does it all.

Write Direct

for our new Brochure, "**BETTER SERVICE**," and a beautiful Color-Photograph of the **New Royal Master-Model 10**.

ROYAL TYPEWRITER CO. Inc.

364 Broadway New York

Single Comb White Leghorns and Columbian Wyandottes

Yes we are still at it. At what? Producing S. C. White Leghorns and Columbian Wyandottes that please our customers and help our business to grow from year to year. We have been at this for nearly 10 years and feel that we know it pretty well, and judging from the letters we receive from our customers they think so too. If you are in need of anything in the above breeds, we want you to get our prices before you buy. It will pay you. All inquiries cheerfully answered. Write us.

MOUNTAIN VIEW FARM

MOORESBOBO,

D. R. McBRAYER, MGR.

N. C.

Just say you saw it in THE INDUSTRIOUS HEN.

Breeders Cards

Rates 3c per word. No advertisement accepted for less than 50c. All cards will be set in uniform style without any display. Terms Cash in advance. Paper will be sent free as long as the advertisement runs.

ALL CLASSIFIED ADS ARE IN FRONT OF BOOK, THUS GIVING THE SMALL ADVERTISER A CHANCE

ANCONAS

Sheppard's Famous Anconas the World's best. Single or Rose Comb. First at world's greatest shows, including London, England, Madison Square and Cleveland. Greatest egg record. Average 256 for entire flock. Cecil Sheppard, Berea, Ohio. 10-12t

Headquarters true Ancona type, Single and Rose Comb. Stock, eggs. Free literature. R. Vanhoesen, Franklinville, N. Y., club secretary, editor Ancona World, author Ancona History. 9-3t

ANDALUSIANS

Blue Andalusians, White Faced Black Spanish and Silver Spangled Hamburgs. Fine young stock for sale. Eggs at \$1.50 per 15. H. R. Birchett, Lebanon, Tenn. 11-12t

Blue Andalusians, White Faced Black Spanish and Silver Spangled Hamburgs. Fine young stock for sale. Eggs at \$1.50 per 15. H. R. Birchett, Lebanon, Tenn. 9-5t

BANTAMS

Seabrights, Japanese Cochins, Games, Brahmas, Rose Combs, Polish. Send 2c stamp for circular. Fenn Bantam Yards, Desk L, Delavan, Wis. 1-6t

Buff Cochins Bantams, White Orpingtons, Anconas, Rhode Island Reds, Partridge Rocks. Write your wants. O. N. Garrett, North Chattanooga, Tenn. 6-3t

SILVER SPANGLED HAMBURGS.

For reduced prices on eggs and stock see Lombardy Heights Poultry Farm ad on page 259, this issue. 5-2t

LANGSHANS

Black Langshans — Vitality; Individual Strain. Superior winners; 263-egg record. Pen in National Contest. Stock and eggs for sale. Transportation prepaid. Correspondence solicited. J. R. Brown, Bramwell, W. Va. 3-4t

LAKENVELDERS

For reduced prices on eggs and stock see Lombardy Heights Poultry Farm ad on page 259, this issue. 5-2t

LEGHORNS

For reduced prices on eggs and stock see Lombardy Heights Poultry Farm ad on page 259, this issue. 5-2t

S. C. White Leghorns, Exclusive (Wyck-off Strain direct). Some very fine stock at \$1.00 each. Eggs that will hatch at special prices. Write me. Mrs. Harry Covington, Guthrie, Ky., R. No. 5. 3-4t

White Leghorns. Pen in last Storrs' Egg laying contest averaged over 193. Eggs \$8 per 100. Chicks \$15 per 100. Windsweep Farm, Redding Ridge, Conn. 3-4t

Tom Barron's English White Leghorns. Fine big yearling hens, laying over 200 eggs a year. Also dandy cockerels at \$2.00 each. Puritan Yards, 89 Burton avenue, Station H, Cleveland, O. 8-1t

Bargain sale on hundreds of fine high egg type Single Comb White Leghorn hens. Compelled to make room for young stock. State number desired. Valley View Poultry Farms, Morristown, Tenn. 6-6t

Single Comb Brown Leghorns. Why not buy your next year's breeders now at half what you will have to later on this winter. I have some nice early hatched cockerels, pullets and breeders that will improve the quality of your flock. Mrs. Joe Mulligan, Maplewood Farm, St. Josephs, Ky. 6-6t

For Sale—100 or more or less, year-ling laying White Leghorn hens at \$1.00 each. N. L. Willet Seed Co., Augusta, Ga. 4-3t

S. C. W. Leghorns. Large, Vigorous Per-sistent layers. Eggs 7c; chicks 12c. Cunningham Poultry Farm, Lancaster, S. C. 3-4t

Three hundred Single Comb White Leg-horns. Yearling hens, good layers, \$1 each; 100, \$90. Cunningham Poultry Farm, Lancaster, S. C. 8-2t

Single Comb English Black Leghorn cockerels 3 months old, \$1.50, for 30 days only. Gold Nugget strain. J. G. Baxter, Beckville, Texas. 8-1t

MINORCAS

Single Comb Black Minorca cockerels. Long bodied, large, husky fellows, from 200-egg hens and over. Pape strain direct. "Imperial Ringlet" Barred Rock cockerels and pullets, the best I ever owned. All stock sold on approval at attractive prices. Give us a trial order. S. C. Beard, Rogersville, Tenn. 8-1t

Buff Minorcas. Eggs balance of season half price. Now \$2.00 and \$1.50 per 15 for pen 1 and 2. Mrs. Sarah Gray, Lebanon, Tenn. 6-1t

ORPINGTONS

Cozy Nook Orpingtons—Buff and White. Eggs and stock remainder of season half price. Dr. C. L. Gray, Lebanon, Tenn. 6-1t

For reduced prices on eggs and stock see Lombardy Heights Poultry Farm ad on page 259, this issue. 5-2t

PLYMOUTH ROCKS

Stock, Young and Old, of Barred Rock, Buff, White and Partridge Plymouth Rock varieties. Best strains. Eggs and baby chicks. Mrs. Allen M. Dorris, Hendersonville, Tenn. 10-8t

Barred Rocks with the winning habit. Pullet line exclusively. Ernest Patton, 1310 Pendleton street, Greenville, S. C. 8-3t

White Plymouth Rock Eggs—Fishel Strain. \$1.50 per 15, delivered. J. A. Niemyer, Hamlet, N. C. 4-4t

RHODE ISLAND REDS

Bean's Rose Comb Reds. Eggs 10, chicks 15 cents. Rosecomb Farm, R. No. 2, Milford, Ill. 5-4t

I have Single Comb Rhode Island Red pullets and cockerels for sale. Get my price on them before you buy elsewhere. E. F. Hixson, Hixson, Tenn. 8-1t

WYANDOTTES

Purebred Silver Laced Wyandotte Eggs that will hatch Wyandottes. Photographs on request. No stock for sale. Eggs \$1.50 for 15. Satisfaction guaranteed. A. H. Harrell, Hickory, Ky., R. No. 2. 3-5t

White Wyandottes. Line bred for gen-eration from Boston, Chicago, Indianapolis winners. Three pens mated. Headed by Stish-Model, Grand Master, King George 2d. Mating list free. Eggs, stock. Mrs. Sabe Gary, Mayfield, Ky. 3-5t

Champion White Wyandottes—Eggs and stock reasonable. Write for prices. Frank Hamrick, Shelby, N. C. 6-6t

Silver Wyandottes, White Faced Black Spanish, 15 eggs \$1.00 prepaid. Satisfaction guaranteed. J. W. Shelton, Larkinsville, Ala. 5-3t

Golden Wyandottes. Eggs \$2.00 per 15. Winners at Houston and Austin, Tex., show, 1915. C. P. Chreitzberg, Georgetown, Tex. 5-1t

White and Silver Wyandottes; highest quality; line bred from Boston, Chicago, Indianapolis winners. All pens half price. Mating list free. My motto is "Best." Satisfaction guaranteed. Mrs. Sabe Gary, Mayfield, Ky. ?

PIGEONS

I offer guaranteed mated Homers in any quantity at \$1.00 pair and challenge squab companies or dealers to produce better stock at twice this price. Beautiful white Homers \$1.50 pair. Get my prices on Runts, Carneaux, Maltese Hens and save dollars. Squab Manual 25c. Chas. O. Gilbert, 222 Callowhill street, Philadelphia, Pa. 8-1t

\$-3-\$ in Pigeons! Start raising squabs for market or breeding purposes. Make big profits with our Jumbo pigeons. We teach you. Large, free, illustrated instructive circulars. Providence Squab Co., Providence, R. I. 3-3t

TURKEYS

Wild turkeys are hardy as an oak. Half-wild eggs (from pure wild mountain tom and Bronze hens), \$6.00 dozen. Three-fourths wild \$10.00. J. H. Vaughn, State College, N. M. 5-2t

MISCELLANEOUS

\$500 per year raising canaries! The new industry. Start at home. Spare time. Very little capital necessary. Will show you how. Particulars 4c. Day Brothers, St. Croix, Wis. 9-1t

Shetland ponies, pure bred, for sale at reasonable prices by E. L. Andrews' Sons, Bristol, Tenn.-Va. 9-1t

Ten-cent coin for a package of roup remedy that's guaranteed to cure or your dime back. Prepared by us after years of successful work with poultry. LaVergne Hatchery, Box 406, Berwyn, Ill. 8-1t

Fairmont Poultry Yards. Buff Rocks and S. C. Rhode Island Reds. Some fine cockerels for sale. Price right. Eggs \$1.00 per 15. Satisfaction guaranteed. Rev. William Moon, Fairmount, Ind. 2-5t

Three Chicken Gape Worm Extractors for 25c. Unequaled. W. T. Hollowell, 3728 Percy street, Philadelphia, Penn. 4-4t

Buy of us all your varied necessities in the poultry industry and poultry remedies, also your dairy necessities, also your field seeds, your forage seeds, grass seeds and all your garden seeds. Get Willet's 100-page Encyclopedia Seed Catalogue free. N. L. Willet Seed Co., Augusta, Ga. 4-4t

Murray's Sorehead Remedy. Sure cure for sorehead or chickenpox. Try one jar and be convinced. Sizes 25c and 50c postpaid. Agents wanted. Prepared only by Jno. G. Murray, Jr., Edisto Island, S. C. 5-3t

A Gape Remedy that Cures Gapes, or money back, 25c. Agents wanted. Booklet free. Write W. H. Doran, Brandenburg, Ky. 1-12

Poultrymen's Printing Prepaid. Note-heads, envelopes, cards, tags, labels, 100 either, 50c; 250, 85c; 500, \$1.25; 1,000, \$2.25. Circulars, linen-finish letterheads—everything. 125 noteheads, 125 envelopes, \$1.00 prepaid. Stamp brings samples. Model Printing Co., Manchester, Iowa. 6-6t

Kills Lice and Mites. I make a chicken powder that I have used eight years with good success. Kills lice and mites instantly. Good for little chicks and setting hens. Harmless to eggs. Costs about eight cents a pound to make. Receipt 25 cents silver. Guaranteed or money refunded. Mrs. Edna Crowl, Lane, Kans., R. No. 1. 5-3t

Scranton's Famous S. C. Reds

NOW OWNED BY

RAU & FRY, - Indianapolis, Indiana

That superb flock that for the past eight years has been producing each season many of the really sensational show birds, winning premier honors at such shows as HAGERSTOWN, CHICAGO, CINCINNATI and MADISON SQUARE GARDEN, NEW YORK, winning the past season in America's greatest show MADISON SQUARE, NEW YORK, the coveted FIRST PRIZE on COCKEREL, PEN and DISPLAY, besides SECOND AND THIRD PULLET, FOURTH HEN and THIRD PEN, COLOR SPECIAL MALE and CHAMPION S. C. RED OF THE SHOW.

100 Early Cockerels, bred by Scranton from his Madison Square, New York, winners . . . Each **\$10**

Capable judges who have seen these birds, pronounce this season's youngsters the best Mr. Scranton has ever produced. We firmly believe they are not excelled anywhere. The opportunity we now offer the readers of this journal is, therefore, one that will appeal strongly to those who seek TYPE, COLOR, VIGOR, SIZE and LAYING ABILITY, whether they desire breeders that will stamp these qualities upon their present flocks or show birds that will bring home the prizes. In addition to these cockerels we will make during September and November very low prices on yearling males, hens, pullets and pens because we must reduce quickly the number of birds on hand. WRITE US for prices on birds for any show. We have the goods—rich in individual quality and the blood that produces birds of lustrous surface and deep red undercolor, strongly colored breasts and good type. WE CAN HELP YOU WIN. Special Fall Sale List Now Ready. Send for it. Photographic group of FIRST PRIZE PEN, MADISON SQUARE, N. Y., suitable for framing, sent for a two cent stamp. Address,

RAU & FRY, Hawthorne Poultry Farm,

R. R. GI, Box 160

B

INDIANAPOLIS, INDIANA

Want Winter Eggs? Then Get Busy Now

Egg prices are rising—will soon reach the high point of the year. Winter eggs pay big profits, but you can't get them by wishing for them. Act! Have your hens laying well when eggs mean money. At this time every bird in your flock needs

Pratts Poultry Regulator

the *Guaranteed Poultry Tonic and Conditioner*. A natural egg-maker—makes hens want to lay. It tones them up—increases appetite—assists digestion—stirs up the sluggish egg-producing organs—drives the hens to the nest—insures profits for you.

Pratts Poultry Regulator will keep your old hens laying steadily until they molt, then shorten the molt and hurry them back to work. It will push your pullets to early maturity, start them laying sooner than usual and keep them at it all winter.

America's original poultry conditioner—imitated but never equalled. Small in cost—great in results. Sold by dealers everywhere on a money-back guarantee to satisfy you. In packages, pails and sacks. Refuse imitations. If your dealer does not have Pratts, write. Chicken lice just naturally hate Pratts Powdered Lice Killer. Try it and you will see why!

Write today for 65 page
Poultry Book—FREE.

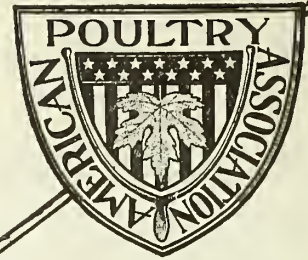
PRATT FOOD COMPANY

Philadelphia

Chicago

Toronto

pratts.



"The Emblem That Counts"

THE use of the above Emblem by an advertiser signifies that the user is a member of the **American Poultry Association**—in good standing and that the Association: **"Endorses all persons whose names appear on its membership roll as to their integrity and good intentions as poultry breeders, dealers in poultry equipment and as publishers."**

To be able to use the emblem is therefore a most excellent privilege and endorsement—both of which you would certainly appreciate.

Join the Association at once—and lend your co-operation in making the Association just that much bigger and better.

The **American Poultry Association** is one of the largest Live Stock Associations in America—and its field covers every State and Canadian Province.

The Association is interested in having you receive the benefits of membership—and will send you full information regarding the cost of membership and its additional advantages promptly upon receipt of your inquiry.

American Poultry Association

(Established in 1874)

E. E. RICHARDS, President
Cedar Rapids, Iowa

S. T. CAMPBELL,
Secretary

Mansfield,
Ohio

INFORMATION COUPON
Please send me full information regarding membership in American Poultry Association.
Name
Post Office
Street or Route
State

THE INDUSTRIOUS HEN

VOL. XIII.

LOUISVILLE, KY., SEPTEMBER, 1916

(Whole No. 137)

No. 3

BROWN LEGHORNS AS LAYERS.

The Great Egg Laying Qualities of the American Made Varieties of Fowls, which includes most every popular variety today, is due to the infusion of Leghorn Blood after their first importation some sixty years ago. The commercial egg business really dates with the spread of the Leghorns, the Brown variety of which is the mother of all the others.

By H. V. TORMOHLEN, Portland, Ind., American Single Comb Brown Leghorn Club.



COUNT up the varieties that owe their egg laying qualities to an infusion of Brown Leghorn blood and you have the answer to the question, "Why is it the Single Comb Brown Leghorns are even more popular than ever, although they have never been so fortunate (or unfortunate) to enjoy a modern 'boom?'" The Single Comb Brown Leghorn is the mother of layers. This is almost literally true for all varieties of Leghorns, the white, black, buff, silver and others all have been bred from the brown variety. The white and black varieties have little other blood in them, if any, than the original "little Italian hen" blood from Leghorn, Italy. The buff and silver have other varieties in them, of course. I will not go into detail about any of the other varieties coming to the fountain head of heavy egg laying qualities, but suffice it to say that scarcely a variety introduced in the past fifty years but what has its intermixture of Brown Leghorn blood in it—the Rhode Island Reds, for instance, a notable example.

With the great wave of popular favor sweeping over the country with the advent of the white and buff varieties of Leghorn, the little Brown hen, keeping right at the business of filling the egg basket of the country, was almost overlooked as to show room favorites. But the reputation and memory of the excellent egg-laying qualities of the Brown Leghorns has lived in the minds of the American farmer through the past quarter century—the new varieties have come and gone and now the Brown Leghorn is more popular than ever before.

You may ask, "Why are not more egg farms stocked with Brown Leghorns?" and I answer you frankly, because they cannot get them. The demand is simply much greater than the supply. The past season I have seen White Leghorn hens advertised as low as \$60 per 100 and yet no orders to take them, while plain utility bred Brown Leghorns can seldom be found for \$125 per 100. I know of orders of several hundred the past season that could not be supplied at any price. A fellow-breeder showed me a letter while in New York at the Palace show for 200 pullets for next year's delivery. The customer wanted them this year, but simply could not find them anywhere.

The Brown Leghorn is said to possess practically the same colors as the wild jungle fowl ancestor of our domestic varieties of poultry. It is an ideal combination of colors, both from a utility standpoint and beauty as well. It seems nature is hard to improve upon. We occasionally find a white crow, a fox or squirrel, but they are the freaks of nature and nature only slipped in throwing these off-colored birds, for they fall an easy prey to disease and their natural foes. So with the lighter colors of chickens, their unnatural color hardly fits them for the thoroughly business proposition of the ideal bird for the

egg farm. The chicks fall an easy prey to hawks, crows and other enemies. White is a cold color and they absorb little of the warm rays of the early morning winter sun so essential to a full crop and vigorous exercise. The white and other light varieties are beautiful to behold after careful washing, but "quite a sight" when not on dress parade. These drawbacks to the other varieties of Leghorns have gradually drawn the popular favor back to the browns as the little brown chicks are easily raised, are very hardy and amply able to take care of themselves, after the order of the quail or guinea chick. They are always on dress parade and ready for inspection. Their wonderful egg laying qualities now shine out more brightly after the lapse of a quarter century than they ever did even then, for the memory of a deed well done is very hard to erase, and as mentioned above, the Brown Leghorn was thoroughly tried out in this country years ago, and gave way for newer varieties not because of utility qualities lacking, but on account of the fancy show craze that swept the country and brought out such lordly and impressive varieties as the Cochins, Brahmas and others almost extinct today because of their lack of utilitarian qualities.

The Brown Leghorn has been improved too, with age, like good whiskey. The large beefy comb found on my grandmother's place can no longer be found. The large comb was found to obscure the sight of one eye and be quite a detriment in zero weather. The modern Brown Leghorn hen has a neat little five point comb, lopping to one side gracefully with the first point standing erect. The Leghorn of today is longer and broader and deeper, well up on legs with all the lines about her denoting grace and beauty of outline, utilitarian qualities as to great egg-laying capacity. Students and judges of poultry alike, no matter what variety they breed, are almost unanimous in saying that the Brown Leghorn possesses more exquisite beauty as to color and form than any other variety of poultry. The reason for this is as mentioned, that she is nature's product as to basic colors. The red, the black and the combination of the two in brown and salmon, make the most pleasing combination of colors known in domestic poultry. Pure white, pure red, pure black are striking in their effect, but they soon tire the eye. Nature has made it so, and so it is not strange at all, in the course of human events that the Single Comb Brown Leghorn is found to be a prime favorite again in the show room and egg farm alike. The scarcity of cheap stock in this variety makes it an inviting one to those who would profit by building up large flocks of heavy laying Brown Leghorns for the demand cannot be satisfied in the next decade, if at all, and the popularity after fifty years is guarantee that the variety can never be surpassed as the ideal fowl for the egg farmer and fancier alike.

JULY REPORT OF THE NATIONAL EGG LAYING CONTEST, MOUNTAIN GROVE, MO.

Results of Survey Made of the State Concerning Greatest Poultry Problem.—S. C. White Leghorns Win Cup for Highest Record for July.—Total of 7,656 Eggs Laid in Month of July.



It is the policy of the experiment station to concentrate its efforts and its force on the problems which are of greatest importance to the poultry breeders of the State. In order to find out more definitely the problems confronting the greatest number of breeders, a circular letter was sent out to the members of the State Poultry Association asking twenty questions, one of which was, "What problem causes you the most trouble, the solution of which would do you the most good?" The first 530 answers recorded we believe are representative of the poultry breeders in general. Following is a condensed list of answers and the number of breeders submitting each one:

Diarrhea of baby chicks, all forms.....	44
Cause and prevention of chicks dying in the shell.....	41
The control of lice and mites.....	38
Starting baby chicks the first few weeks.....	35
The control of rats, cats, hawks, crows and owls.....	28
Cause, prevention and cure of roup.....	25
Balancing the ration for all ages of chickens.....	23
Incubation, including heat, moisture, turning, etc.....	20
Selecting good breeders and high egg producers.....	15
Low prices received for stock and eggs.....	15
Getting eggs in winter when high.....	14
Growing the proper quantity of green food.....	6
How to secure and prevent brooding as desired.....	6
Securing a high per cent of fertile eggs.....	13
Strong vitality of breeding stock and chicks.....	12
Brooding, including the housing of young chicks.....	11
Young chicks crowding, causing loss.....	8
No particular problem.....	8
Housing of both old and young chicks.....	8
Sudden death without apparent cause.....	6
Raising chicks after hens wean them.....	6
Securing competent help when needed.....	5
Diarrhea of mature stock.....	6
Getting young stock to reach standard weight.....	5
Preventing and curing colds during fall and winter.....	5
Caring for the flock during the moulting season.....	5
Introducing new blood into the flock without injury.....	5
Cause, prevention and cure of gapes.....	5
Proper feathering of young chicks.....	5
More room for range of flock.....	5
Raising the proper amount of feed.....	5
Uniformity of size, shape and color.....	5
Use of trapnets.....	4
Cause, prevention and remedy of going light.....	4
Co-operation of poultry breeders and poultry raisers..	4
Crippled baby chicks when hatched.....	3
How to prevent crop bound.....	3
A simple workable system of keeping records.....	3
A better plan of advertising stock and eggs.....	3
Learning more about the poultry business.....	3

Mixing feed at home; how to caponize cockerels and raise the capons; handling frozen combs; telling the number of eggs a hen will lay; controlling chicken thieves; conditioning and preparing for shows; carelessness in every line of work; raising a large per cent of show birds; preventing brassiness in cockerels; use of the many kinds of medicine, each had two answers.

There were forty-two answers, one each, such as small eggs; egg eating; feather pulling; line breeding; double mating; watering; rheumatism; accidents; being able to work twenty-six hours a day, and chickens fading away.

It will be observed that more than 50 per cent of the problems considered most important deal with the reproduction of the flock or covering a space of time of from six to eight weeks, from the fertility of the eggs to the growing chick. Taking these problems as being typical of all conditions over the State, we are enabled to locate the point of greatest need. While all of these problems will be held in mind and experiments tried when appropriate, yet great efforts will be used to solve the problems of hatching and raising the baby chicks.

Pen 8, S. C. White Leghorns, from Pennsylvania, won the cup for the highest pen record in July, by laying 127 eggs. The total number of eggs laid during this month was 7,656.

The five highest pens for July are as follows:

Pen.	Eggs.
8. Single Comb White Leghorns, Pennsylvania.....	127
17. Single Comb White Leghorns, Texas.....	114
40. Single Comb White Leghorns, California.....	112
12. Single Comb White Leghorns, Oregon.....	111
18. Single Comb White Leghorns, Kentucky.....	110
102. Oregons, Oregon.....	110

The five highest hens for nine months are as follows:

Hen.	Pen.	Eggs.
3.	25. Single Comb White Leghorn, Washington.....	209
4.	75. White Plymouth Rock, Washington.....	206
5.	75. White Plymouth Rock, Washington.....	201
2.	25. Single Comb White Leghorn, Washington.....	200
1.	69. Barred Rock, Missouri.....	200
5.	6. Single Comb White Leghorn, New Jersey.....	198

The ten highest pens to date are as follows:

Pen.	Eggs.
69. Barred Rocks, Missouri.....	929
25. Single Comb White Leghorns, Washington.....	898
102. Oregons, Oregon.....	873
75. White Rocks, Washington.....	865
59. Rose Comb Reds, Missouri.....	861
17. Single Comb White Leghorns, Texas.....	856
11. Single Comb White Leghorns, Kansas.....	837
8. Single Comb White Leghorns, Pennsylvania.....	833
27. Single Comb White Leghorns, Missouri.....	830
56. Single Comb Reds, Iowa.....	815

I hereby certify that the above is a correct report of the National Egg Laying Contest for the month of July, 1916.

C. T. PATTERSON, Director,
State Poultry Experiment Station.

Mountain Grove, Mo.

RESULT OF POULTRYMAN'S SUIT AGAINST THE AMERICAN EXPRESS CO.

John W. Ward, Jr., Dark Cornish Breeder, of Pennington, N. J., Victim of Technicality Growing Out of the Carmack Amendment Regarding Interstate Shipments.—Shipment Made to Allentown (Pa.) Fair, in September, 1914.—Involved Loss of Eight Birds of High Standing.

By JNO. W. WARD, JR., Secretary-Treasurer,
American Cornish Club.



FEEL it my duty to relate my experience to brother poultrymen all over the country relative to the outcome of my suit against the American Express Company for the loss of eight of my birds, now almost two years ago, on September 21, 1914, the birds being smothered during the trip from Pennington, N. J., to Allentown, Pa., owing to the "one-horse" service given by the American Express Company in transporting them on a day which proved to be exceedingly hot during the middle of the day, though cool in the morning when the birds were shipped. I repeat, I feel it my duty to relate the outcome of the case in order that brother poultrymen may in the future be on their guard more and more, for though the rulings in the various States may not be the same as in New Jersey, still the decision in my case is likely to be brought up as a precedent in any State and so bring about the same final results as in my case, which came to a very abrupt termination in the Supreme Court of the State of New Jersey, and which I am now reporting to brother poultrymen.

On September 21, 1914, as above stated, I shipped from Pennington, N. J., to Allentown, Pa., for the fair to be held at Allentown, by the American Express Company, seven coops containing twenty-nine Cornish birds, among which were John Bull, Uncle Sam, Lady Alice and five others. They were properly cooped in coops which I had used for the most part for three years previous, with the exception of one coop, built new in 1913, which I had used but for one season, showing at Warrenton, Va., and Madison Square, New York, so that the coop had safely carried fowls for a greater distance than from Pennington to Allentown. It is also a striking fact that the newest coop, which had been used but one season, had more cubic inches of air space, per compartment, than had any of the others, yet five of the eight deaths occurred in this coop, plainly showing to anyone with half an eye that the coops must have been stacked somewhere along the road during the heat of the day. Also in the new coop, most of the deaths occurred at one end of the coop, seeming to show that while one end had been left uncovered, the other end had had stuff piled upon it. The birds were shipped from Pennington at 7:37 a. m., but did not reach Allentown fair grounds, but seventy-eight miles distant, until 6:30 p. m., or in other words, the American Express Company put them over the road at the remarkable speed of eight miles per hour, or about as fast as a good wheelbarrow could make it. Making proper train connections, the birds should have reached Allentown, according to time tables published at the time, in two hours and fifty-two minutes, instead of the time they did make, namely, ten hours and fifty-three minutes. Certainly an example of American Express service (?) and efficiency (?).

I was waiting for the coops at Allentown when they arrived, and it was then found that eight of the birds, of a value of from \$800 to \$1,000, were smothered.

At the time of shipment no shipping receipt or bill of lading was actually given me, though as soon as word was received of the death of the birds the agent sent one to my residence, filled up so as to limit liability to \$5 for each bird. The birds evidently had been smothered through piling other goods upon their coops, thus depriving them of proper ventilation on a hot day.

The claim was presented to the company, but all they would offer was to pay \$5 for each bird lost, the amount stipulated in the bill of lading, which was not actually delivered at the time of shipment. The express company, having refused to pay anything like a reasonable compensation, suit was brought in the New Jersey Supreme Court April 5, 1915.

The courts of New Jersey had decided in the case of *Hill v. Adams Express Company*, 82 New Jersey Law Reports, 373; 81 Atlantic Reporter, 889, that where a bill of lading had been given to a shipper with a clause limiting the amount of liability, that the burden was upon the carrier to show that the shipper understood and assented to the limitation of liability contained in the bill of lading or receipt, and that in the absence of proof of this fact the carrier was subject to the common law liability for the value of the goods shipped, if damaged or lost.

In a later decision, November 16, 1914, in the case of *Spada v. Pennsylvania Railroad Company*, 86 New Jersey Law Reports, 187, 92 Atlantic Reporter, 379, the highest court in New Jersey held that the Carmack amendment to the Interstate Commerce act controlled in all interstate shipments, and that a shipper's acceptance of an interstate bill of lading would bind him to all valid stipulations thereof, thus overruling the rule as established in the case of *Hill v. Adams Express Company*, above mentioned, so far as interstate shipments were concerned, but still leaving the law of New Jersey, as indeed I am advised it still is, that in case of shipment within the State, the burden is upon the carrier to show that in accepting the bill of lading the shipper knew of the stipulations and actually assented or agreed to them. This case, I am advised, establishes two different rules in New Jersey, the one applicable to shipments outside the State boundaries, where the stipulation in the bill of lading, if accepted, would bind the shipper, the other applicable to shipments within the State, where the shipper was not bound to any stipulation to which he had not actually agreed. This decision would, however, prevent me from maintaining my suit, since my shipment was an interstate shipment, but reliance was placed on the fact that no bill of lading actually had been given and accepted, and that the stipulation limiting the liability to \$5 per bird was put in the bill of lading after the shipment and attempt made to deliver so as to make it appear that I was bound by the terms of the bill of lading.

The trial of the case was delayed a term or two, and came on for trial in February, 1916. The taking of testimony to prove the loss and value of the birds had started when the court called counsel's attention to a decision of the New Jersey Court of Errors and Appeals, which had been rendered after the starting of the suit in this case, and which had then only been made public a few days before, in the case of *Standard Combed Thread Company v. Pennsylvania Railroad Company*, 95 Atlantic Reporter, page 1002, which held that whether the carrier had issued a bill of lading or not, under the Carmack amendment and the regulations made by the Interstate Commerce Commission pursuant thereto, the carrier was required to publish and submit with its traffic a uniform bill of lading, and in the absence of a disclaimer by the shipper and the payment of a ten per cent higher rate, the terms of the uniform bill of lading are declared applicable, and inasmuch as the uniform bill of lading submitted by the Express Company and filed with the Interstate Commission contained the stipulation that the value of the birds was limited unless a higher rate was paid by the shipper, the court ruled that I was, under the decision of the higher court, without remedy beyond the amount of \$5 for each bird lost.

Accordingly, the suit stopped then and there, the company agreeing to pay the \$5 per bird, while I was forced to see myself deprived of the right to recover the actual damage done to me by the neglect of the American Express Company, owing to the court's interpretation of the effect of the Carmack amendment in the case of interstate shipments. At the time suit was started no such inter-

pretation had been made by the New Jersey courts, and we were proceeding in the belief that I could collect my actual loss where it could not be shown that I had agreed to accept a limitation of the company's liability.

It is thus clear that poultry fanciers shipping across State boundary lines, in order to make sure of being able to collect damages should their birds be lost through the action of the carrier, must be careful to pay the highest rate of charges established by the uniform bill of lading published with the traffic list filed with the Interstate Commerce Commission.

I was plainly the victim, as was the American Express Company the beneficiary, of a technicality, growing out of the Carmack amendment. Had my birds been shipped and lost under exactly the same conditions within the boundary of the State of New Jersey, I could have recovered their full value.

ANNUAL MEETING OF AMERICAN POULTRY ASSOCIATION.

Resolutions and Amendments Put Before the Forty-first Annual Meeting of the A. P. A., Cleveland, Ohio, August 7-11, 1916.

Reported by E. E. RICHARDS, President; S. T. CAMPBELL, Secretary, Mansfield, Ohio.



THE forty-first annual convention of the American Poultry Association will go down in history as having been one of the largest attended meetings of the association. Never in its history have so many members entitled to sit as the executive board—especially from far distant States and places—been present as at the Cleveland meeting. Members of the board present were:

A. A. Peters, Denver, Colo.; U. R. Fishel, Hope, Ind.; S. T. Campbell, Mansfield, Ohio; W. C. Denny, Buffalo, N. Y.; Chas. D. Cleveland, Eatontown, N. J.; Henry Steinmesch, St. Louis, Mo.; Earl Hemenway, South Haven, Mich.; John S. Martin, Port Dover, Can.; Mrs. Florence Forbes, New Decatur, Ala.; A. C. Hawkins, Lancaster, Mass.; R. G. Bailey, Lewiston, Idaho; D. T. Heimlich, Jacksonville, Ill.; Chas. G. Pape, Fort Wayne, Ind.; Glen F. Richards, LeGrand, Iowa; L. H. Wible, Chanute, Kans.; C. C. Loomis, St. Matthews, Ky.; Wilmer H. Johnson, New Orleans, La.; F. M. Crowe, Owosso, Mich.; H. A. Nourse, St. Paul, Minn.; E. C. Branch, Lees Summit, Mo.; J. L. Dorsh, Butte, Mont.; J. Harry Wilsieffer, Vineland, N. J.; Robert Seaman, Jericho, N. Y.; P. F. Gallum, North Carolina; C. E. Cram, Carey, Ohio; H. B. Donovan, Jr., Toronto, Can.; Thos. McGrew, Sranton, Pa.; Chas. McCaffree, Pierre, S. D.; H. B. Moseley, Chattanooga, Tenn.; Geo. W. Hackett, North Freedom, Wis.; J. H. Wendler, Lakeland, Fla.; W. H. Catterall, Chickasha, Okla.; P. W. Harries, Seattle, Wash.

The association certainly appreciates the splendid efforts of the Cleveland Poultry Breeders Association and the Ohio Poultry Breeders Association for the splendid services rendered in working up and giving the program for the pleasure of the members attending.

The opening exercises consisted of an address of welcome by George H. Poulson, president of the Cleveland Poultry Breeders Association; an address of welcome by Frank C. Stier, president of the Ohio Poultry Breeders Association; a warm welcome by Floyd E. Waite, secretary to the Mayor of Cleveland, and a welcome address by T. P. Cagwin, of the convention board of the Chamber of Commerce. The response for the association was made by Frank E. Hering, of the judiciary committee.

Owing to the illness of President Richards, Vice-president A. A. Peters presided over the meetings in his usual excellent manner.

The roll call showed more than five hundred members in attendance, which is the high record to date. Five hundred and fifty-six members have been added to the roll in 1916. While this is not a record breaker, it is a rather creditable showing in these war times.

The reports of the secretary and treasurer showed the association to be in a creditable financial standing, with an approximate present worth of \$26,112.94, consisting of office supplies, poultry show equipment and standards, to the value of \$15,344.55. Cash on hand and in reserve funds, \$10,758.39. This is certainly a very good showing for the excellent management of the association's affairs, and the handling of funds by Secretary Campbell.

The report of Early H. Hemenway, chairman of the committee on welfare, grievances and appeals, showed that during the fiscal year, eighty-three cases had been referred to the committee, of which the greater number had been mutually adjusted.

The committee on show room supplies recommended some valuable suggestions as to changes to be made in the supplies for the coming show season, which were adopted; and all supplies going out for the coming year

will carry these new suggestions. The committee reported that during the season 1915-16 the association had sold show room supplies to the value of \$5,381.99, from which it had returned to the State associations \$505.11 as commission, and had made a profit for the benefit of the association of \$1,144.58.

Chairman Essex, of the market poultry and egg standard committee, presented a report, the substance of which was that the market standard would be ready for publication at an early date.

The committee on breed standards reported progress on the Plymouth Rock and Wyandotte standard breed books. And, with the splendid work now under way, it is believed the books will be ready for publication this fall.

The association passed the following resolution on government co-operation:

Whereas, the Federal and State governments are actively engaged through a competent organization in disseminating useful and essential information concerning culture; and

Whereas, poultry fanciers and breeders have the right to expect and to receive from the Federal and State governments such aid in advancing the interests of standard poultry as can be given only by intelligent co-operation with the Federal and State agencies; and

Whereas, the members of Congress and of State and provincial legislatures, if they were fully and intelligently informed as to the utilization value of poultry breeding, would, unquestionably favor larger appropriations for carrying on poultry work; and

Whereas, it is manifestly to the interests of the American Poultry Association to co-operate with these agencies in spreading the interests of poultry culture;

Therefore, be it Resolved, That the president of the American Poultry Association appoint a committee of four to serve without compensation to take such action as may be necessary and to submit its report to the 1917 meeting of the A. P. A., outlining in detail methods by which this association can best co-operate with the Bureau of Animal Industry of the international Department of Agriculture, United States and Canada, with the various State and provincial departments of agriculture, and with its poultry departments of the agricultural colleges and experiment stations, in order to advance the purposes for which this organization exists.

Prof. A. G. Phillips, of Purdue University, introduced the following resolution:

Whereas, in view of the intrinsic merits of poultry as regards flavor, digestibility and nutriment, that steps be taken to properly educate the public in order that consumption of poultry products may be enhanced and prices be kept commensurate with their food values.

Resolved, That the president of the American Poultry Association appoint a committee of five to serve without compensation to consider what measures, if any, the association measures, if any, the association might adopt to increase the demand for first class table poultry and eggs and report at the next annual meeting.

(Adopted.)

A resolution by Charles McCaffree, of Pierre, South Dakota, as follows, met with favorable consideration:

As there is no complete and reliable data showing the volume and importance of the purebred poultry industry, and believing such will be of value in promoting a greater American Poultry Association, and advancing the interests of its members, it is hereby

Resolved, That this association undertake a "business survey" of the production of purebred poultry in the United States and Canada, and the president is instructed to appoint a committee of three who will work with the secretary in making such a survey. This committee to work without compensation, and there is hereby appropriated the sum of one hundred dollars (\$100.00), or such part of it as may be needed to meet the necessary expenses of making such a survey.

The following amendment by Frank C. Stier, of Cleveland, Ohio, was adopted: Amend Constitution, Article 4, Section 54, by adding:

"That, on all applications for membership sent direct to the American Poultry Association, not endorsed by a State or provincial member, in case the applicant paying such membership resides within the jurisdiction of any State or provincial body affiliated with the American Poultry Association, the secretary of the American Poultry Association shall, immediately upon the acceptance by the executive board of such applicant, remit to such State or provincial organization the sum of \$2.00 out of the membership fee received." And upon resolution by J. L. Dorsh, of Butte, Mont., when the American Poultry Association remits \$2.00 of this sum to the State association of the State in which the applicant resides, such a member automatically becomes a member of his home State association, without membership fees or annual dues.

One of the most radical changes in the nature of amendments was submitted by G. D. McClaskey, of Topeka, Kan., in regard to the method of issuing judges' licenses. In the future all aspirants for judges' licenses will be compelled to forego an examination before an examining board, under the following amendment to the Constitution: Strike out Section 140 and substitute the following therefor:

"140. That each member of the executive board is vested with the power to appoint at each American Poultry Association State show, and any other important show, two li-

censed judges who have officiated at not less than three shows held under the American Poultry Association show rules during each year for at least three years previous to such appointment, to conduct the examination of any applicant for license who may appear before them; the judges to be appointed to conduct the examination by score card, or comparison method of judging and to report in detail, together with recommendations, to the examining board for such action as said board may see fit to take in the interests of all parties concerned; the judges conducting such examination are each to receive the regular per diem of the Standard revision committee members while engaged in conducting the examination, said sum to be paid by the American Poultry Association. The examining board is to meet each year at the convention of the American Poultry Association."

"140-A. That any additional necessary expenses incurred by the Standard revision committee while sitting as an examining board on the granting of judges' licenses, together with the regular per diem allowed the members of said committees, be met by the American Poultry Association; that in order to assist in paying said expenses the application fee for judges' licenses shall be twenty-five dollars (\$25.00), and further, any applicant is to have the privilege of appearing before the board at its annual meeting for examination, in which event no other examination is necessary."

It has been recommended that these examinations take place at the recognized American Poultry Association official State shows, providing two or more A. P. A. licensed judges are officiating at said show.

The show rules were amended by adding Section 28, as follows:

"Exhibitors or visitors making charges of dishonest practices or statements of a defamatory nature against any exhibitor or exhibitors, judge or judges, at any show that is an associate member of the American Poultry Association, shall be required to appear before the board of directors or show committee of that show, and prove that the charges so made are true, and if the said charges are not substantially true the exhibitors making such charges shall forfeit back to the association all ribbons, medals and awards of any and all kinds and nature, and that the exhibit of the said exhibitor shall either be treated as a display exhibit or removed from the show at the discretion of the management of the show. The rule further shall provide that a report of the committee, together with a charge of conduct unbecoming a member, must be made in regular affidavit form by the president, secretary or the member defamed, and that the association will take such action as it deems advisable at the first regular annual meeting following. In case the local association fails to act, the charges may be referred to the American Poultry Association."

The institute features of the convention were of a highly educational character. Those taking part were Prof. Jas. E. Rice, Ithaca, N. Y.; Victor G. Aubry, New Brunswick, N. J.; Frank B. White, Chicago, Ill., and Charles McCaffree, Pierre, S. D.

Judges licenses were granted as follows: General: Albertus T. Modlin, Topeka, Kans.; William Miller Higgs, Victoria, B. C.; Walter Burton, Arlington, Texas; W. A. Bonner, Casnovia, Mich.; J. F. Nelson, Grove City, Pa.; R. L. Leitch, Van Nuys, Cal.; George W. Masterson, Duarte, Cal.; Charles A. Greenfield, Butte, Mont.; M. L. Andrews, Bryant, Mo.; W. H. Allen, East Providence, R. I.; W. F. Auerswald, Harmarville, Pa.; W. H. Laabs, Waupaca, Wis.; H. D. Reid, Victoria, B. C.; Walter T. Bowers, Money Grove, Texas; William Walker, New Westminster, B. C. Special Licenses: Fred A. Poertner, Berea, Ohio, Orpingtons and all Buff variety; Rufus Eldridge Bruce, New Orleans, La., American and Mediterranean; John W. Zimmerer, Anchorage, Ky., American, Mediterranean, Asiatic and Bantams; Herbert Tormohlen, Portland, Ind., Mediterraneans; Olin Colip, Atlanta, Ind.; Wyandottes (all); Frank A. Cole, Van Wert, Ohio, American and Mediterraneans.

The following committees, elective and appointive, were made for the ensuing year:

Finance—E. E. Richard, Cedar Rapids, Iowa; John S. Martin, Port Dover, Ont.; Henry Steinmesch, St. Louis, Mo.

Welfare, Grievance and Appeals—Earl Hemenway, South Haven, Mich.; A. C. Hawkins, Lancaster, Mass.; Harry H. Collier, Tacoma, Wash.

Judiciary—E. E. Richards, Cedar Rapids, Iowa; Frank Hering, South Bend, Ind.; Grant M. Curtis, Buffalo, N. Y.

Education and Experimentation—Prof. James E. Rice, Ithaca, N. Y.; Harry Lamon, Washington, D. C.; Mrs. Florence Forbes, New Decatur, Ala.

Committee on Legislation—J. D. Veach, Hubbard, Mont.; Frank E. Hering, South Bend, Ind.; Robert Seaman, Jericho, N. Y.; T. M. Poole, Atlanta, Ga.; G. D. McClaskey, Topeka, Kans.

Organization—V. O. Hobbs, Mountain Grove, Mo.; H. B. Moseley, Chattanooga, Tenn.; J. D. Dickson, Spokane, Wash.; Ralph Woodward, Grafton, Mass.; Chas. J. Fisk, Plainfield, N. J.

Government Co-operation—Frank E. Hering, South Bend, Ind.; James E. Rice, Ithaca, N. Y.; H. B. Donovan,

Jr., Toronto, Ont.; Charles D. Cleveland, Eatontown, N. J.
Poultry Products—Frank B. White, Chicago, Ill.; A. G. Phillips, LaFayette, Ind.; R. C. Lawry, Pacific, Mo.; M. A. Jull, Quebec, Canada; A. F. Rolf, Baton Rouge, La.

Committee on Business Survey of Poultry Industry—Chas. McCaffree, Pierre, S. D.; R. G. Bailey, Lewiston, Idaho; P. W. Harries, Seattle, Wash.; Prince T. Woods, Silver Lake, Mass.; Wilmer H. Johnson, New Orleans, La.

Poultry Show Committee—L. C. Bryce, Petaluma, Cal.; Mrs. Florence Forbes, New Decatur, Ala.; John S. Martin, Port Dover, Ont.; Earl Hemmenway, South Haven, Mich.; A. C. Hawkins, Lancaster, Mass.

Medals and Diplomas—Henry P. Schwab, Rochester, N. Y.; B. F. Adams, Columbus, Ga.; S. Ernest Pollock, Silver City, New Mexico.

Advisory Committee on Association Publicity—H. A. Nourse, St. Paul, Minn.; John A. Kohl, Indianapolis, Ind.; C. E. Cram, Carey, Ohio.

Committee on Show Room Supplies—W. Theo. Wittman, Allentown, Pa.; D. E. Hale, Chicago, Ill.; S. T. Campbell, Mansfield, Ohio.

Standing Standard Committee—Grant M. Curtis, Buffalo, N. Y.; E. E. Richards, Cedar Rapids, Iowa.; W. S. Russell, Oakland, Cal.; W. R. Graham, Guelph, Ont.; A. C. Smith, St. Paul, Minn.

Express and Transportation—Roland Story, Brooklyn, N. Y.; L. H. Wible, Chanute, Kan.; C. C. Loomis, St. Matthews, Ky.; J. Harry Wolsieffer, Vineland, N. J.; F. C. Stier, Cleveland, Ohio.

Committee on Departmental Meetings—D. E. Hale, Chicago, Ill.; H. H. Knapp, Tiro, Ohio.; James W. Bell, Chicago, Ill.; D. Lincoln Orr, Orrs Mills, N. Y.; Charles McClave, New London, Ohio.

One of the new innovations was the department meetings, which were originated by D. E. Hale, to whom credit must be given for the splendid attendance and interest. We believe these meetings will become permanent fixtures of the American Poultry Association annual meetings.

About sixty of the judges met on the afternoon of the 7th and organized a splendid association for the protection of their special interests as well as to encourage the welfare of standard-bred exhibition fowls. Officers: President, Charles McClave, New London, Ohio; secretary, W. C. Ellison, Elmer Center, N. Y.

An especially strong organization was perfected by the International Baby Chick Society, the special objects of which are to foster, promote, improve and protect the baby chick industry and all allied branches of poultry husbandry. Officers are: President, H. H. Knapp; first vice-president, C. J. Fisk; second vice-president, Dr. P. T. Woods; secretary, H. D. White; treasurer, C. J. Fisk. Board of Directors—H. H. Knapp, Tiro, Ohio; Dr. P. T. Woods, Silver Lake, Mass.; H. D. White, Saugatuck, Mich.; C. J. Fisk, New York, N. Y.; George Cugley, Springfield, Ohio; U. R. Fichel, Hope, Ind.; W. J. Curtiss, Ransomville, N. Y.; Fred H. Thayer, Baltimore, Md.; Mrs. W. H. Hopple, Tiffin, Ohio.

One of the best associations, which will be devoted to the interests of the various poultry shows held throughout the country, was organized by the show secretaries and managers. D. E. Hale, 440 South Dearborn street, Chicago, Ill., was elected president, and E. T. Baldwin, of Pittsburgh, Pa., secretary.

One of the new features which will no doubt long be remembered was the organization of the Poultry Fanciers Club. The membership of this club is to consist of veteran breeders, who must have been identified with some branch of the poultry industry for twenty-five years or more. The annual meetings will be held at such place as will be designated by the executive committee, and will be an annual reunion for the pleasure and fraternal benefit of the members. The officers elected for the first year were: President, D. Lincoln Orr, Orrs Mills, N. Y.; vice-president, Charles McClave, New London, Ohio; secretary-treasurer, J. H. Drevenstedt, 314 Highland avenue, Buffalo, N. Y. Charter members: D. Lincoln Orr, E. B. Thompson, Charles McClave, J. H. Drevenstedt, Harry M. Lamon, Robert Seaman, D. E. Hale, C. F. Rankin, H. P. Schwab, J. H. Wolsieffer, C. D. Cleveland and S. T. Campbell.

A poultry press association was organized, by the election of officers as follows: President, James W. Bell, Chicago, Ill.; first vice-president, H. P. Schwab, Rochester,

N. Y.; second vice-president, P. W. Harries, Seattle, Wash.; secretary-treasurer, J. A. Kohl, Indianapolis, Ind. Executive Committee: E. E. Althouse, Sellersville, Pa.; D. E. Hale, Chicago, Ill.; Grant M. Curtis, Buffalo, N. Y.

WHY I BREED S. C. BLACK MINORCAS.

A Bird that has Superior Table Qualities, Good Layers of White Eggs, Attractive and Vigorous, are Some of the Reasons Why I am Breeding S. C. Black Minorcas Today.

By R. H. ANDERSON, Lynchburg, Va.



BREED Single Comb Black Minorcas because they are a superior general purpose fowl. By a general purpose fowl we mean one that surpasses the average degree of excellence in all desirable qualities for which fowls are valued. Now let us see just what those "desirable qualities" are:

1. A fowl of good size with superior table qualities.
2. A good layer of extra large white eggs; therefore a non-setter.
3. A fowl that is beautiful and attractive, yet hearty and vigorous.

Having determined on the above "desirable qualities," we must now find the breed or breeds that possess them all. Go through the American Standard of Perfection thoroughly, study and analyze each breed carefully and you can find only one breed that possesses all of these desirable qualities, viz: the Minorca, and more especially the Single Comb Black Minorca, as they are the largest of all Minorcas.

The American breeds, including the Rocks, Reds and Wyandottes, have to be eliminated as they do not lay large white eggs and are more or less persistent setters. The Leghorns will also have to be passed by as they are too small.

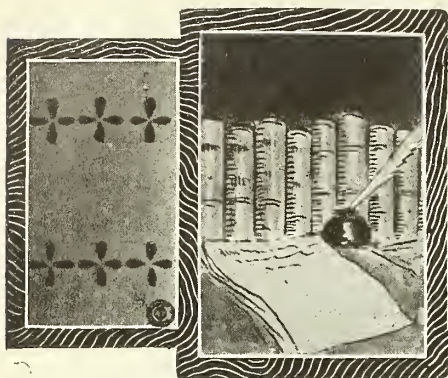
The Single Comb Black Minorca is the largest of non-setting varieties, larger than the Reds or Wyandottes, and almost as large as the Rocks. The standard weights are as follows: cock 9 pounds; hen 7½ pounds; cockerel 7½ pounds; pullet 6½ pounds, and the writer has often had males that will weigh 11 pounds and females 9 pounds.

While some poultrymen are prejudiced against Minorcas as a market fowl, on account of their dark legs and feathers, we must say that from actual experience, the deliciousness and flavor of the Minorca is not excelled by any fowl. Their meat has an extra fine flavor, is sweet and juicy, fine grained and does not have that coarse texture found in a number of other breeds. There are no more dark pin feathers on a Minorca than on a Barred Rock. They furnish as much meat as the small turkey, and frequently our guests mistake them as such when served.

The Minorca lays the largest egg of any hen on earth, the eggs generally averaging two pounds per dozen. The eggs are beautifully shaped and pure white, and we have no trouble in getting five to eight cents per dozen above market price for all the eggs we can spare. Nature has built her to manufacture eggs in large numbers, giving her a deep body and the longest back of any hen. We have even had hens to lay as well at the age of four and five years. We use a wire netting open-front house, always get a good yield of eggs even in the midst of winter and haven't had a frosted comb in three years.

Minorcas will do as well for the city fancier on a small lot as for the farmer with unlimited range. They are great foragers and will hunt a large part of their own living if given an opportunity. A four-foot fence is all that separates our birds from the front yard, this causing much surprise to our Leghorn friends.

They are one of the hardiest of all varieties, the eggs hatch well and the chicks are quick growers. No matter where they are kept they always look clean and bright. They attract considerable attention wherever seen, whether in the show room or in the breeding yard, because of their proud and aristocratic appearance. A flock of Minorcas with their long muscular, yet symmetrical, bodies, low well-spread tails, bright red combs and wattles, large chalk-white ear lobes and their beautiful beetle green-black plumage will grace anyone's lot, and if once given a trial I am certain they will never be discarded.



EDITORIAL CORRESPONDENCE

Baby Chick Men Organize.

THE International Baby Chick Association was duly organized at a meeting of prominent poultrymen interested in this highly important branch of poultry husbandry at the Hollenden Hotel, Cleveland, O., August 7-12. The expressed objects of this association are to foster, promote, improve and protect the baby chick industry and all allied branches of poultry husbandry.

The development of this association began at Atlantic City several years ago and at the Madison Square Garden poultry show in New York City last year an effective organization was further discussed which directly resulted in bringing about the Cleveland meeting.

Following several important meetings an appointed committee submitted plans for organization which were adopted, and the following nine directors subsequently elected:

H. H. Knapp, Tyro, Ohio.
Dr. P. T. Woods, Silver Lake, Mass.
H. D. White, Saugatuck, Mich.
C. J. Fisk, New York, N. Y.
George Cugley, Springfield, Ohio.
U. R. Fishel, Hope, Ind.
W. J. Curtiss, Ransomville, N. Y.
Fred H. Thayer, Baltimore, Md.
Mrs. W. H. Hopple, Tiffin, Ohio.

The officers as elected by the Board of Directors are as follows:

President, H. H. Knapp, Tyro, Ohio.
First Vice-President, C. J. Fisk, New York, N. Y.
Second Vice-President, Dr. P. T. Woods, Silver Lake, Mass.
Secretary, H. D. White, Saugatuck, Mich.
Treasurer, C. J. Fisk, New York, N. Y.

Membership in the association is open to all who are either directly or indirectly interested in breeding, hatching, shipping and rearing baby chicks. The initiation fee, including the first years dues is \$10.00 with subsequent annual dues of \$5.00.

It is the intent and purpose of the International Baby Chick Association to enter at once upon a constructive and educational program for the promotion of its objects and to expand and extend its activities and influence as rapidly as substantial progress can be made.

Poultry Show at the Kentucky State Fair.

THE Kentucky State Fair opens Monday, September 11, and continues through the entire week. The fair this year promises to be the greatest State fair ever held in the South, as never before has there been so much interest shown in all departments, and especially the poultry show, as there will be birds at this show from all parts of the country. The poultry show at the fair has always been one of the greatest attrac-

tions and has grown from year to year until at this time we can boast of one of the greatest shows of any State fair in the country outside of the show at the New York State Fair.

The poultry at the Kentucky State Fair for the past three years has been uniformly cooped, which has added greatly to the success and growth of this department. Through the efforts of the Kentucky Poultry Breeders Association and breeders all over the State, we believe it is possible to get a new poultry building by 1917. Although the present building answers the purpose very well; still if the show continues to grow as it has in the past, it will be impossible to take care of the birds in the present building. Every poultry raiser and breeder should try to co-operate with the fair people and the State in order to build up a greater show and to secure the new building for the poultry by 1917.

The poultry breeders should also work together and try to get a yearly appropriation from the State to be spent in the interest of the poultry industry each year. By co-operating and pulling together this appropriation should be secured with little difficulty, as thousands of dollars are being appropriated for causes of smaller importance. This is one reason that Missouri has grown so and is today leading all others as a poultry producing State.

This State secured a passage known as the Myers' bill, appropriating \$10,000 to be used for paying premiums on poultry in every country in the State where a poultry show is held. This has caused small shows to be held in nearly every county in the State. These shows interest new people, causes them to breed purebred birds from which they get much better results in the way of more profit than they have in the past from the old mongrel stock bred by their forefathers.

I think that this should be carefully considered by every poultry raiser in Kentucky. I am sure you all want to see the industry grow and I think this is about the quickest and surest way of reaching the goal. If we can secure this appropriation it will mean more poultry shows in Kentucky, broader and more extensive work at the experiment station, more egg laying contests and a biggest and brighter future for the poultry industry in old Kentucky.

Judges' Section of American Poultry Association.

THE forty-first annual convention of the American Poultry Association, held at Cleveland, Ohio, August 7-11, 1916, will go down as one

of the best meetings in its history.

A new feature was the department meetings where permanent organizations were launched and great good is sure to be the outcome.

Over fifty poultry judges were present, when ways and means were devised to form a judges' association, and never has there been so much real enthusiasm at any previous meeting where a judges' club or association has been talked of.

A permanent organization, known as the Judges' Section of the American Poultry Association was organized on Wednesday, August 9, with a charter membership of thirty. The officers are as follows:

President, Charles McClave, New London, Ohio.
Vice-President, J. H. Drevensteadt, Buffalo, N. Y.
Secretary and Treasurer, W. C. Ellison, Elma Center, N. Y.

Board of Directors.

Edith L. Maston, Pleasant Valley, N. Y.
Mrs. Florence Forbes, New Decatur, Ala.
D. T. Heimlich, Jacksonville, Ill.
O. L. McCord, Peoria, Ill.
J. E. Gault, Chippewa Lake, Ohio.

With such an efficient set of officers, backed by the association to a member, there will be no such word as fail.

The objects of this club are many. Primarily, to secure a more uniform system of judging; to help the inexperienced judge to become proficient and able to secure his license; to get together once a year, have heart-to-heart talks, and in this way work for the good in general; handle as a body any matter pertaining to judges or judging—that is, in a form of complaint or adjustment; and many other things will be featured, but above all, the objects of the association are to weld the friendship of all the judges and promulgate fraternalism and closer alliance.

Poultry shows, fairs and expositions will be supplied with the association list and also any other information given that is desired. Great good will be the ultimate outcome and we predict wonderful benefits for our brother fanciers and poultrymen through our closer co-operation and friendship.

There are over three hundred licensed A. P. A. poultry judges, composed of men and women who have devoted the better part of their lives to this work and who, we feel confident, will all be ready and willing to join, so as to help boost this good cause. All judges who have not joined should get in touch with the secretary at once.

W. C. ELLISON, Sec'y.
Elma Center, N. Y.



Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

Weighing Birds in Comparison Shows.

A NUMBER of breeders are advocating the weighing of birds when judged by comparison and the disqualification of such birds as are more than two pounds underweight as required by the standard. This is a very reasonable proposition, and would do away with a great deal of the objection to comparison judging, for the bird that wins by comparison and loses by score card usually does so through the application of the weight clause.—Poultry Record.

We agree with Editor Cram as to the weighing of all birds that are judged by comparison. Since this method of judging has been used by judges all over the country in placing the awards no doubt thousands of birds have won blue ribbons that should have been disqualified on account of being underweight. Judges should favor this and give more attention to this weight question and possibly better satisfaction could be given with comparison judging. Personally I am not partial to the score card and especially in the larger shows. Of course we can find fault with both systems of judging, but I believe in the end the comparison system of judging is more satisfactory to all parties.

The Dust Bath.

THIS is the month to gather your supply of road dust for winter use. Dust taken from much traveled roads has no superior, and there is no easier or better method to fight the lice than providing dust boxes for the fowls. They should be placed near a window where they will get plenty of sunshine, but not where the rain and snow will wet the dust boxes. If you have a cement floor in your hen house by all means get a load of good clean sand and put on the floor before you scatter the straw. The fowls will enjoy taking a sun bath in this sand, and it also provides the necessary grit; also helps to keep down any dampness.—Useful Poultry Culture.

Robinson Candidate for Secretary.

WE are informed that Mr. John H. Robinson, formerly editor of Farm Poultry, of Boston, Mass., is a candidate for the position of secretary of the American Poultry Association. Mr. Robinson is a clever writer and personally we like him very much. However, we do not believe that he is the proper man to fill this important position.

Mr. Robinson has done more knocking on the American Poultry Association than any other editor, and we know of but little that he has ever done to help increase its membership or build up the association. Mr. Robinson's main reason as to why he

should be selected as secretary is the fact that he believes the association needs a man capable of editing its publications. In our opinion it is an easy matter to get publications edited, but it is a difficult matter to secure a man capable of filling the more important duties of this office. Mr. Robinson refused to become a member of the association until just a few years ago and he has been out of harmony with the workings of the association most of the time since he became a member.—Useful Poultry Culture.

Mr. Fry Leaves Reliable Poultry Journal.

M R. W. R. FRY, for the past three years associate editor and field representative of Reliable Poultry Journal in the midwest territory, has resigned that position and formed a partnership with Mr. Fred Rau, of Indianapolis. They will breed Single Comb Rhode Island Reds, Blue Orpingtons and Speckled Sussex. Mr. Fry informs us that they have purchased the entire flock of Single Comb Reds from Mr. B. H. Scranton, of Rising Sun, Ind. With this wonderful strain as a foundation this firm should be heard from in the best shows of the country. We wish Messrs. Fry and Rau every success in their new venture and expect to see them well up in the ribbons at the leading shows of the country.—Big Four Poultry Journal.

Mr. Fry was at one time connected with Practical Poultry, of Birmingham, Ala., which was later consolidated with the Industrious Hen. He is well known to our readers, who will be glad to hear of his new connection. The firm of Fry & Rau will be known all over the country as leading breeders of their respective varieties after the coming show season is over, as no doubt they will capture most all the prizes they compete for and have a reputation they justly deserve.

Freak in Chick Hatching Claimed.

F RANK DODD showed us quite a freak in chick hatching Monday. He had six little downy fellows in a basket. There was nothing in their looks to indicate anything uncommon connected with their coming into the world, but in reality they came in a very unusual route. Davidson Bros., who handle millions of eggs, had a lot of them candled some time ago and the rejected ones were placed in a common egg case. This case was set aside in their house for some time, and last Monday the eggs were taken far out of town to be thrown away. In emptying the cases Mr. Dodd heard some chicks chirping in the bottom of one of the cases. He carefully emptied the case and in the bottom found six little fluffy youngsters looking as lively as if old biddy herself had brooded them. The recent torrid weather had produced sufficient heat to hatch the eggs. Mr. Dodd took them home with him and is expecting to have fried chicken in the near future.—Allen Times.

To delay your fall advertising is costing you money. You cannot expect to sell your birds unless you advertise. Don't delay your advertising but send it in now for October.

HIGH CLASS WHITE PLYMOUTH ROCKS AND S. C. WHITE LEGHORNS

The best breeds. Bred for business.
CHARLES HOLDER, Bridgeport, Ala.

SPIRAL CELLULOID

Leg Bands

In Ten Different Colors. Last lifetime.
Best, Cheapest. Samples free. 100 for 70c. State breed.

PERFECT POULTRY SUPPLY CO.,

Lynbrook, Box A N. Y.



ROSE COMB BROWN LEGHORNS

Winners at Panama-Pacific, Chicago and leading State Fairs. Egg record 200 to 242. Catalog free. Address

C. C. WORTHINGTON,

1037 Cherry St., EVANSVILLE, IND.

ROSE COMB REDS

Eggs half price for balance of season. A few high class breeders cheap to make room. Get our prices before you buy. No sale unless you are satisfied.

MRS. H. R. NUSZ & SON

Box 1. H.

Cecilian, Ky.

CALHOUN'S S. C. WHITE LEGHORNS

You'll be proud of the vigor, beauty and EGG RECORD of your stock if "Woodland Bred." Summer sale high quality cocks, yearling hens and this season's pullets hatched February to May, at prices that move them quickly. Our young cockerels can't be beat as to price and quality. Write us now.

WOODLAND POULTRY FARM, MORRISTOWN, TENN.



Regal Cockerels and Pullets

If you wish to make a good showing this fall, send for prices on well matured cockerels and pullets. Prices are reasonable. I have the best lot I ever raised. FREE—Send for catalogue and summer sale list. Send one dime for the Regal White Wyandotte Book telling all about White Wyandottes.

JOHN S. MARTIN,

PORT DOVER,

BOX 911

CANADA



SOUTHEASTERN NOTES and COMMENTS

By D. R. McBRAYER, Mooresboro, N. C.

SEPTEMBER, the turning point toward autumn. Premium lists of the various fall fairs are coming into our office now reminding us that the show season will soon be upon us. We always take especial interest in these exhibitions held in connection with the fairs, because the farmers are out in great numbers to attend these home attractions, and it is the farmer that we must depend upon to buy our stock and eggs, and in return furnish the bulk of poultry meat and eggs for the great American public. Anything that tends to interest the farmer, tends to help the poultry industry at large, so we are just as particular to enter a nice string of birds at the early fall fairs and to win there too as at the winter shows. The poultry show that is held in the winter months very often is attended by fanciers and city folk in the main part and therefore do not serve the purpose that they really should. We advise that you get a string of your earliest hatched birds in condition and carry them—yes, go with them—to your county and State fair. You will surely be pleased with the results.

Eggs are going to be unusually high this fall and winter unless we miss our guess. How many of your pullets will lay this month? This is a test of your hatching and brooding ability. The early pullet is the one that may be depended upon to lay the eggs in fall and winter when they are high. Are yours matured now? If not, then give them all the good sound feed they will eat and mature them as quickly as possible. It is very disgusting to see a flock of immature pullets thrown into winter quarters and using the feed that should be making eggs to finish their growth. If you haven't the early pullet this year then think seriously of this next spring and do not let it happen again.

September should see all the yards and spare plots of ground sown to rape, oats or some sort of greens. Sown now they will get a start before cold weather sets in and you will then have a supply on hand throughout the winter. There is no use trying to get the best results without green feed, for you cannot do so. Greens will not only save grain, but they will make the hens lay many more eggs and keep them healthy too. Don't neglect this very important matter.

We wish to again impress upon the members of the A. P. A. that there is no place like Asheville, N. C., for holding the next annual meeting of the association. Asheville asked for the 1916 meeting but was turned down. Now let me tell you fellows you don't know what you are missing when you fail to come to Asheville for the meeting. It's a grand, good place to visit and you'll say so too when you go

there. So vote for Asheville for the 1917 meeting of the A. P. A. "Nuff ced!"

To illustrate the extent to which people are pouring into this summer resort, one day during the first week of August over 1,300 people came into the city by rail alone, to say nothing of the hundreds that came in by automobile. The finest resort hotel in the world, to-wit: Grove Park Inn, fine mountain scenery and cool pleasant weather makes this city an ideal place for summer visitors, and believe me, when 1,300 come in in one day they are taking advantage of it.

We are very much in sympathy with all publishers of newspapers and magazines. They are up against a tough proposition as regards the paper situation now. Prices of paper have advanced so much as to make it very hard indeed on the publishers to make both ends meet now. In fact, some are talking seriously of suspending publication until the situation becomes better. Others are going to advance their subscription prices to help them out. We do not know what the *Industrious Hen* is going to do, but this much we do know, unless they are different from other publishers, they are hard put to it and need the assistance of every true poultryman and woman in the South. It will mean very little to you to send in your subscription or renewal now, but if several thousand would do this it would mean much to them. If you really care for the uplift and advancement of the poultry industry here in the South, won't you send in your renewal now and that of a friend if possible? It will not break you, yet it will help the paper, the oldest in the South probably, to hold out through this

trying period and when conditions are back to normal you will feel proud of the fact that you helped in keeping at least one good poultry journal going, when times were so hard for it. Are you loyal to the cause? If so, get busy now.


Start your fall advertising campaign now. We always sell more stock through the fall months than at any other time of year. There is not only a demand for show birds, but for well-grown pullets to be kept for layers as well. Send your copy in for the October number sure if you get your share of the business that is going to Southern breeders this fall and winter. We are learning, and that fast, that there are just as good birds here at home as up North and East, so why send up there for something that we can get cheaper at home. Buy your birds in the South when it is practicable is my advice.

5000 WHITE LEGHORNS

bred for eggs. Lowest prices on hens, 8-week old pullets and breeding males. Free catalog gives prices and tells all about the Ferris strain. Post card brings it.
GEO. B. FERRIS, 922 Union, Grand Rapids, Mich.

POORMAN'S 200 EGG STRAINS

THE
WORLD'S
BEST
LAYERS



TRAP
NESTED
200 EGG
STRAIN

"LADY ALFARATA"

301 EGGS
STOCK, EGGS or BABY CHICKS

from my improved Laying Strains of
White and Barred Plymouth Rocks White Leghorns
S. C. and R. C. Rhode Island Reds White Wyandottes

White and Buff Orpingtons White Wyandottes

and your Careful Attention Means your Success. This is your opportunity to procure a start from strains that have given entire satisfaction to over 4,500 customers in this and foreign countries. Write for my instructive, illustrated catalog. It has helped others and will undoubtedly help you.

JOHN G. POORMAN,
Box 350 Tinley Park, Illinois, U. S. A.

BUFF ORPINGTONS S. C. RHODE ISLAND REDS BARRED PLYMOUTH ROCKS

Our young stock is coming along fine, and we will have a nice lot for sale in the fall.

S. M. HARBISON,

DANVILLE,

KENTUCKY

"High Scoring, —Big Layers—"

E. C. Branch, Lee's Summit, Mo.—"Can recommend your goods from start to finish. Have used your incubators for years. It was a Cyphers Incubator that Missouri Belle (score 94½-egg record 237), Anna Belle (93½-egg record 201), Minnie Belle (93½-egg record 211), and Verda Belle (93½-egg record 223) were hatched, as well as a number of other hens with egg records of 200 and over. They were raised on Cyphers Foods from start to finish. We have finally discarded all makes of incubators except Cyphers."

Why Not Get Into The Big Money Making Class?

IT'S EASY WITH CYPHERS HELPS

Start now by feeding Cyphers Laying Mash. Boost the egg yield and keep the hens laying right through the fall. The biggest profits of the year are made at this season. Cyphers Growing Mash and Developing food will hurry up the young pullets and round out the early show birds.

Later on you will want Incubators, Brooders, Remedies, Poultry Supplies; best always. Get acquainted now, through Cyphers Foods, you will know what to get and where to get it. We supply full equipment for poultry raisers, 21 years at it.

WRITE FOR OUR FREE BOOKS. "Poultry Foods and Feeding" and "The Profits in Poultry Keeping," packed with money-making suggestions for poultrymen. Write for these books today, and ask for current low prices on Cyphers Poultry Foods.

CYPHERS INCUBATOR CO., Dept. 13
Home Office and Factory: BUFFALO, N.Y.
New York; Chicago; Boston; Kansas, City, Mo.; Oakland, Cal.

Use
Cyphers Co's
Profit
Producing

**POULTRY FOODS
AND SUPPLIES**

TURKEY & WATER FOWL DEPARTMENT

This department is conducted by Mrs. J. C. Shofner, Mulberry, Tenn., and any questions that you wish to ask will be answered through this department, if addressed to Mrs. Shofner. If a personal reply is wanted, enclose a stamped envelope.

Value of the Pekin Duck.

ANYONE who cares to investigate the question of value in the different breeds of ducks for practical purposes—that is, ducks that possess real market value—should read the history of some of the immense duck farms about Long Island, in New York State, which are so frequently illustrated and written up in the leading poultry journals.

It would seem from the pictures shown, and the articles given, that there is no thought given to any other breed of ducks for their purposes by these utility breeders, than the Pekin ducks. This variety seems to fill the bill with them all the way through, which no doubt is really the case, for the Pekin stands at the head of all ducks when it comes to real market value. We have bred them and know something about them. The young stock grow fast, and soon reach a marketable size, and the percentage of loss in raising them is very small.

We do not believe in the duck that lays like a Leghorn hen. We have read of her, but we never owned such a duck, regardless of breed. For a certainty the Pekin duck does not lay as many eggs in a year as a Leghorn hen, but that does not detract from her value, for she does lay enough eggs in the first four or five months of the year to enable her keeper to raise and market several dollars' worth of young ducks from her eggs. These young ducks have size and weight, and may be made fat and juicy before marketing, which is always done by the big duck raisers in the East, and this is why they raise ducks of the Pekin variety for the market. This can be done in the South as well, and there is always a ready and profitable market for such ducks.

There are really three features of value in the Pekin duck. One is her eggs to be converted into young ducks as suggested. The other is her feathers, which are abundant and of a soft texture and valuable in the market, and she may be picked at least twice a year. The third point of value is when the duck herself is fattened and marketed.

Pekin ducks are great foragers, and with favorable surroundings, such as a pond or other water source, and grass to range over, they will pick up in this way more than half of their food. It is true they may be raised under less favorable conditions, but at less profit and with more care and work.

In raising ducks for profit we should not let any other variety displace the Pekin, for there is none equal to them

when it comes to real practical value.—The Progressive Farmer.

Indianapolis Show Under New Management.

THEO. HEWES, the well known poultry show manager, has taken over the Indiana Fanciers Association and will put on the first show under his management February 8 to 12, 1917, at Indianapolis, Ind. This completes the chain of shows that Mr. Hewes has been figuring on for the past three years, opening with the Coliseum at Chicago, December 13 to 18, the Auditorium, Milwaukee, January 18 to 22, and Indianapolis, February 8 to 12. The list of judges so far engaged are: W. W. Zike, Carl J. Carter, Jos. Strosberger, Louis J. Demberger, A. E. Martz and Henry P. Schwab.—Everybody's Poultry Magazine.

A New Season Begins.

THE poultry season begins with September. It is the time of the year when the fairs are on in full swing, when the cockerels are beginning to crow and the pullets are beginning to lay. It is the time of the year you will want to begin to advertise to sell your surplus stock. Don't wait until the last minute and then expect immediate orders. You may get such results, but you better count on a few days or weeks for correspondence. Bargaining by mail is sometimes a slow process—it may take weeks to land a particular order. In September buyers begin to look around for their winter show birds,

CHAMPION S. C. BLACK MINORCAS

Large, vigorous, long bodied cockerels, bred from New York and Hagerstown winners, at \$3.00 and up.

R. H. ANDERSON.

LYNCHBURG, VA.

14-VARIETIES-14

Reduced Prices for September

We are offering eggs from the following grand matings at greatly reduced prices. All pens are headed by first prize cocks and cockerels, mated to trap-nested heavy laying females that have won in all the larger shows. Out of a possible 240, we won 139 firsts, 69 seconds and 26 thirds, besides many cup specials and A. P. A. Medals and Diplomas. Eggs from Single Comb White Leghorns, Single Comb Buff Leghorns, Blue Andalusians, White Plymouth Rocks, Silver Pencilled Plymouth Rocks, Partridge Plymouth Rocks, Buff Plymouth Rocks, Black Orpingtons, Light Brahmas, Silver Spangled Hamburgs, Lakenvelders, White Minorcas, Dark Cornish, at \$1.50 per 15 eggs or \$2.75 per 30 eggs. White Muscovy Ducks at \$1.50 per 12 eggs. We guarantee 12 live chicks from every setting of 15 eggs or will replace free of charge. Catalogue and mating list free. Can furnish some nice pens and trios of Single Comb White and Single Comb Buff Leghorns at \$4.50 per trio, \$7.50 per pen of five. Book your orders now for young stock and get the pick. Can furnish winners for any show. Write us your wants. All eggs ordered direct from this ad will be delivered free.

LOMBARDY HEIGHTS POULTRY FARM

J. O. Reid, Prop.

Stanford, Ky.

Just say you saw it in THE INDUSTRIOUS HEN.

and for breeders to fill in the weak places in their own flocks. Start your advertising in September and you will get more orders than if you start a month or two later.—Poultry Record.



GET OUR PRICES

WE CAN SAVE YOU MONEY

Our stocks are suited to your requirements. We can furnish anything in the feed line at the lowest prices. Try us on

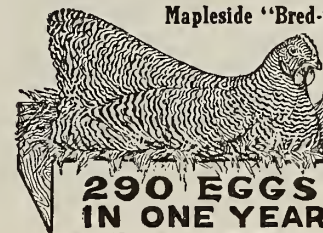
Scratch	Feed Meal	Meat Scraps
Egg Mash	Wheat	Shorts
Grit	Corn, Oats	Cow Feed
Chick Feed	Bran	Horse Feed
Blood Meal	Mill Feed	Mule Feed

RITTER-HENNINGS COMPANY

14th and Main Sts.

Inc.

LOUISVILLE, KY.



Mapleside "Bred-to-Lay" Barred Plymouth Rocks

Acknowledge no superiors as layers. 100 pedigreed breeders in cocks and hens at special prices. Circular of facts free.

O. F. MITTENDORFF,
Lincoln, Box M III.

THE "OK" POULTRY JOURNAL

Published on the 15th of each month. Subscription, one year, 25 cents; three years, 50 cents. Advertising rates on request. 24 to 48 pages monthly. Sample copy free.

THE "OK" POULTRY JOURNAL,

Box I

Mounds, Okla.

MAMMOTH BRONZE TURKEYS FOR SALE

Do you want stock from the largest and finest in the South, from prize winners at Madison Square Garden, World's Fair, Nashville and many other great shows? Two flocks, unrelated, to select from. Also Barred Rocks, stock and eggs. Write at once to MRS. J. C. SHOFNER Route 1 Mulberry, Tenn.

SOUTHWESTERN NOTES AND COMMENTS

BY S. J. HOPPER, Dallas, Texas
Former Editor Southern Poultry Journal.

THE management of the Industrious Hen has been kind enough to invite me to conduct the Southwestern department of this splendid journal. I have accepted the invitation with some misgivings, for it is a difficult task to make such a department at all interesting unless both the fancy and commercial breeders of this section will co-operate with me by writing me any items of interest concerning poultry and poultry breeders from their locality. I will appreciate very much any items of interest sent me and full credit will be given to the writer. Let us make this Southwestern department worth reading.

Just at present time our fancy breeders are directing most strenuous efforts to the final development of their show birds, for the show season is upon us, and with the heat, dust and mosquitoes to contend with, it requires skillful methods of feeding and housing to keep our beauties growing every moment and to ward off the dreaded sorehead and a little later the roup. Plenty of Epsom salts in drinking water prevents the former and copperas will both prevent and cure the latter. I never tire of writing of the wonderful virtues of our grandmothers remedy, copperas. It is old as the hills but it is so much more effective than any of the late day remedies; in fact I have mentioned the use of copperas for a tonic so frequently that I receive letters of inquiry as to its general usefulness from breeders all the way from New York to California.

Our show season is right upon us, having opened with the Galveston show July 4 to 16. They had a good show, all breeds being well represented, but as usual the Reds were by far the largest exhibit.

The Hunt County Fair at Greenville, Texas, will have a show August 23 to 26; they always have a good show. Mr. W. T. Bowers, of Paris, Texas, is to place the ribbons. Then follows the Amarillo show, September 12 to 16. The next Texas show of importance is the Dallas fair. This show is always the Madison Square Garden show of the Southwest. This year both the Texas Rhode Island Red Club and the Barred Plymouth Rock Club will hold their annual State meets at the Dallas fair show. The judges have not yet been announced, "not publicly" anyway.

I hope to have some items of interest from different breeders of this section for the October issue.

A Call to Texas Poultry Breeders.

RECOGNIZING the fact that most all readers of this article are reliable poultry breeders, and believing you to be in sympathy with the aims and objects of both the Tex-

as Poultry Breeders Association and the American Poultry Association, I extend to you a cordial invitation to become one of our members.

You would be in position to compete at all times for any prize that might be offered to members of the Texas Poultry Breeders Association, or the American Poultry Association in this State. One-half of the membership fee is returned to your own State to promote the poultry industry in your State. You cannot afford to be outside the membership of the Texas Poultry Breeders Association and the American Poultry Association. By joining the American Poultry Association, you also become a member of the Texas Poultry Breeders Association without dues. Being a member of the association makes you much better known.

The nomination and election of officers in the American Poultry Association is carried on each spring, both by mail. Every member has the right to vote. You should be able to place the best men in office. It is your duty to yourself and to your poultry brethren. Without the American Poultry Association we would have no standard to breed poultry and no poultry business.

The membership in the American Poultry Association is rapidly approaching seven thousand, and out of that number Texas has only one hundred and seventy-five. How I wish I could say a word here that would convince every breeder in Texas that it is his or her duty to become a member of the American Poultry Association.

S. C. White and Brown Leghorns, S. C. Rhode Island Reds and Black Minorcas

I am offering some great bargains in both old and young stock in the above varieties. Get my prices before placing orders elsewhere for show or breeding birds. Address

J. R. SKAGGS,

Magnolia, Kentucky



Egg-o-hatch

A new invention by Geo. H. Lee
Maker of Lee's Lice Killer, Germozone, Egg-o-latum, etc.

Applied to eggs during incubation, it strengthens the chick and weakens the shell, so that at hatching time you have a strong chick and a weak shell instead of a weak chick and a hard, tough shell that causes so many to die just at hatching time. Also eliminates moisture troubles.

Egg-o-hatch means better hatches and stronger chicks

It is easily proven. Apply to half the eggs and run the other half as usual, then note results. Fifty test hatches gave average of 96 per cent for Egg-o-hatch

eggs and 81 per cent for eggs not treated, right in the same machine. Last five summer hatches average 95 per cent and 67 per cent. For 5 cents to cover mailing, we will send one sample with full directions free, sufficient for 50 eggs. A full size package will run 600 or 700 eggs one hatch, or three 200 to 250-egg hatches. 50 cents postpaid, or at dealers.

GEO. H. LEE COMPANY, OMAHA, NEBRASKA

tion at once. This membership is giving its time and money towards making a new standard every five years. You don't want to be one of the crowd that says, "Well, A. P. A. members, go ahead and give your time, your ability and your money for me to enjoy a greater poultry business and a new standard. I am glad you are doing it, for I need more business; I need the standard, and I like the poultry shows, but I am not willing to go my share." No. You do not belong to that class; true fanciers are not built that way.

If you prefer, you may pay \$2 with your application, and \$1 per month until the full amount of the fee of \$10 has been paid, this being the cost of becoming a member of the American Poultry Association, and it also will entitle you to membership in the Texas Poultry Breeders Association.

JNO. W. ZIMMERER

Licensed Judge

Advocate of the score card show. Get my terms, etc.

DAYTON, - - KENTUCKY

Fogg's S. C. White Leghorns

Bred to lay. Get our special prices on breeders and cockerels.

N. V. FOGG, Box 4250 Mt. Sterling, Ky.

"GOODLETT'S"

"Royal Golden"

BUFF PLYMOUTH ROCKS

The Golden Buffs. I have a fine bunch of both males and females, that are ready to help you win the Blue Ribbons at your early Fall Fairs and Shows, at reasonable prices. Write me what you want.

T. J. GOODLETT,

Greenville,

S. C.

Single Comb Brown Leghorns!

Winners at Louisville, Lexington, Ky., Knoxville, Tenn., New Albany, Ind., Hamilton, Ohio, Indianapolis, Ind., Augusta, Ga. Cockerels at \$3 and \$5 each; Pullets at \$2 to \$5 each. Exhibition stock special prices.

BONNYCASTLE POULTRY YARDS - - - LOUISVILLE, KY.

making you a life member of both. Will you let me have your application at once, and in due time you will receive your certificate of membership to the association which will let the poultry world know who you are and what you are doing.

WALTER BURTON, Sec'y,
Texas Poultry Breeders Ass'n.

High Class Birds at Reasonable Prices.

We wish to call the attention of all our readers to the advertisement of Rau & Fry, Indianapolis, Ind., breeders of S. C. Rhode Island Reds, Blue and Black Orpingtons and Speckled Sussex. If you are in the market for either show or breeding birds of these varieties, be sure and write them for prices and description, for we know they can please you in both quality and price. They have recently purchased the entire flock of Reds bred by B. H. Scranton of Rising Sun, Ind., including his winners at New York, Chicago, Indianapolis and other leading shows, which gives them one of the greatest flocks of Reds in this country today.

In their advertisement in this issue, they are making some attractive prices on breeding cockerels of this famous flock of Reds. They can offer you the same attractive prices in the other varieties they are breeding. If you want a bird that will win for you at your show or a breeding bird to improve your flock or a pen for foundation stock, do not fail to get in touch with these breeders. We will stand behind them and know you will get more than your money's worth and be thoroughly pleased in any dealings you have with them. In writing them, please mention the Industrious Hen.

Georgia State Fair to Issue Special Poultry and Pigeon List.

The fair officials and others connected with the Georgia State Fair are making every effort possible to have the largest and best poultry show in 1916 that they have ever held. Since issuing the regular premium list they have secured a large number of specials and in order that they may place them before the prospective exhibitors in the proper manner they have decided to issue a special premium list, containing the classification, show rules, cash specials, regular prizes and the many silver cups which will be offered at the show this year. B. A. Adams, manager of the poultry and pigeon department is now working on this list and announces that it will be ready for mailing at an early date. A copy of this list may be had by addressing Harry C. Robert, secretary, Macon, Ga., or B. E. Adams, manager, Columbus, Ga.

A large number of breeders have written the secretary and manager, stating that they expected to exhibit at the State fair this year. A number of specialty clubs will offer specials at this show, among them being the Rhode Island Red Club of Georgia, United Ancona Club, American Buckeye Club, American Barred Rock Club and others.

The Dixie Pigeon Association will

S. C. RHODE ISLAND REDS

I have a splendid lot of both old and young birds that I will sell from \$1 up to \$3 for breeders. Splendid shape and color. I guarantee satisfaction or the refund of your money. Write now. I can please you.

G. E. TABB,

ROUTE NO. 2

ELIZABETHTOWN, KY.

hold its 1916 official show in connection with the Georgia State Fair and will offer fifteen handsome silver cups, twenty-five specially designed medals and other special prizes. This will be the largest pigeon show ever held in the South and pigeon breeders are invited to write for copy of premium list.

The poultry show will be judged by Judge J. H. Drevenstedt and the pigeon show by Judge R. B. Ulrich. The dates are November 5 to 11. The entries close October 26. All premiums will be paid before close of show and a royal time is promised to all who attend.

Worthington Strain R. C. Brown Leghorns.

Claire C. Worthington, Evansville, Ind., breeder of Rose Comb Brown Leghorns, starts an advertisement in this issue. His birds have won at the largest shows in the country, including Panama-Pacific Exposition, Chicago, Indianapolis, Louisville and numerous other small shows. He offers both young and old stock in both breeding and exhibition birds at reasonable prices. Get his catalogue which will be sent free to all readers of the Industrious Hen, and write him for prices and particulars.

A New Advertiser.

J. R. Skaggs, Magnolia, Ky., breeder of Single Comb White and Brown Leghorns, Single Comb Rhode Island Reds and Black Minorcas, starts his advertisement in this issue. He is offering some rare bargains in these popular varieties, and any of our readers in the market for birds of these varieties should write him at once and get his prices. He tells us he has more birds and better quality than he has ever had. In writing him, please be sure and mention the Industrious Hen.

The Industrious Hen is a business getter—just what you are looking for to dispose of your surplus stock before winter. Start your advertisement in October issue.

BUFF ORPINGTONS

Eggs and stock any time. Write for prices and show record.

BLOOM KENDALL,

Shelby,

Box B

North Carolina



MORE THAN DOUBLE YOUR COCKEREL PROFITS
Capon grow twice as large on the same amount of feed and bring twice the price per pound.
Complete set of reliable, practical, easy-to-use Capon Tools \$2.50
—full, illustrated instructions included. Parcel Post prepaid.
G. P. PILLING & SON CO., Phila., Pa.
Send for FREE Capon Book

MANAGER

A young married man wants to take charge of a small poultry farm after Nov. 25th. I have ten years experience with both fancy and market fowls, also incubators, brooders, etc. I can write advertisements and handle correspondence; also have my own printing outfit. If you need a man who is not afraid of work give me a trial. I prefer a Southern location.

Address Manager, in care

S. C. OLINGER,

Kittanning, Pa.

American Light Brahma Club Year Book.

WE are in receipt of a copy of the American Light Brahma Club Year Book for 1916. It contains one hundred pages and is handsomely printed and gotten up and has some valuable information on this grand old breed. We urge every subscriber of the Industrious Hen who is breeding Brahmas to join this strong club and help make the Light Brahmas more popular in the South.

While the South is today producing some of the best Light Brahmas in the country and has a large number of wide-awake breeders, still there is always a chance to make any breed more popular by just a little more co-operation and boosting on the part of the breeders. This old breed of birds have merit and should be a great deal more popular than they are at the present time.

By writing to Harvey C. Wood, Bound Brook, N. J., secretary of the club, you can get a copy of the year book, application blanks and full information as to joining the club.

COCKERELS

Sired by the Champion S. C. Buff Leghorn
Cock at the Chicago Coliseum Show

W. L. WILLIAMS,

Frankfort, Ky.

S. C. RHODE ISLAND REDS AND INDIAN RUNNER DUCKS

Eggs for hatching from our best birds at \$1.50 per 15. Duck eggs \$1 per 13. Write us your wants. We can please you. Address
W. A. RAMSEY, R. No. 11, Buechel, Ky.

Everybody Reads Everybodys

A Poultry Magazine of unusual interest.

One Year 50 cents
Three Years \$1.00

Agents wanted; write for sample copy.

EVERYBODYS POULTRY MAGAZINE

Box 286 W

Hanover, Pa.

Label Your Preserves

550 labels, 24 varieties of fruit, large letters, gummed, easy to place on jar or can. Size each label 1/2 x 3 2-3 inches. Mailed, postpaid, for 25 cents.

THE ITEM PUB. CO.

BOX H

SELLERSVILLE, PA.

Just say you saw it in THE INDUSTRIOUS HEN.



This department is conducted by the Editor, 901-902 Great Southern Building, Louisville, Ky. If your birds are sick, write him. He will tell you through this department where your trouble lies. If you want a personal reply, send stamped envelope.

Soft Shelled Eggs.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I have seven Black Minorca hens that are laying soft shelled eggs. I keep plenty of oyster shells before them at all times. I feed them a mash mornings composed of meal and bran and cold bread mixed. I feed them chicken feed at night. Enclosed you will find stamped envelope for reply. Yours truly,
Orme, Tenn.

Answer.—The reason your Minorca hens are laying soft shelled eggs is that the ration is lacking in shell making material. Keep oyster shell before them at all times and supply grit and charcoal as well. Give green food and fresh water. If this does not stop them I would advise you to dispose of them.

Pale Combs.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I have several Barred Rock hens that are going through the moult and their combs are pale and they seem to be very much out of condition. Can you please tell me what to do for them as they are valuable birds and I do not want to lose them as I intend showing them at the shows later? Very truly,
Tampa, Fla.

Answer.—Your birds' combs being pale is possibly brought about by their going through the moult. When a bird is going through the moult they need the best of care and attention. For the pale combs I would advise you to give them a teaspoonful of muriate of ammonia in a pint of water and compel them to drink this water for several days. This will bring the color back to the comb. This is also good to give the birds when they are in the show room in order to get the right color in the comb.

Sour Crop.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I have a cock that is indifferent about eating and when he holds his head down to pick a slime runs from his mouth and bothers him from swallowing. He will shake his head and back off and wait some time before he will try to pick again. Can you give me a name for it and what would cure it? I have tried about everything I can think of and nothing seems to do him any good. Thanking you in advance for any information. Yours truly,
St. Augustine, Fla.

Answer.—I believe your bird is suffering from a sour crop. Hold him by his legs, head down and allow all the contents to run out of the crop through the mouth. Then give the bird a tablespoonful of castor oil and feed sparingly for several days. This should straighten him out all right. Feed the bird a variety of good food after several days and if possible give free range.

Chickenpox.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I have a flock of White Rocks that have a trouble that I think must be chickenpox. The combs of the birds have small sores or scabs and when removed leaves a raw surface. The trouble seems to be very contagious and I think it will go through my entire flock. I will be glad to have you answer this through your September issue and give me a good remedy if possible. Very truly yours,
Memphis, Tenn.

Answer.—From the symptoms you give, I am pretty sure your birds have chickenpox. It is very contagious and if not checked it will go through the whole flock. It is not necessarily fatal but after a bird has a bad case of chickenpox it will not be fit for a breeder or will not lay any great number of eggs. It seems to take all the vitality out of the bird. I would advise you to secure some good reliable chickenpox remedy and start treatment at once. Several good remedies are advertised in this issue of the Industrious Hen, and I would advise you to secure some and get busy as soon as possible.

Colds.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: Will you please answer through your Health and Disease Department in September issue and give me a good cheap remedy for colds in young birds at this season of the year,

as our young stock have some very bad colds. I would like to get this trouble checked before cold weather sets in. Thanking you and with kind regards, I am,
New Orleans, La. Yours truly,
W. A. B.

Answer.—There is nothing any better for the treatment of colds than quinine and castor oil. A one-grain tablet of quinine twice a day will usually break up the worse cases. Follow this with a dose of castor oil the first day. There is something causing your young stock to contract colds and you should by all means look into it and find out. Do not allow them to roost in a draft or crowd in small bad ventilated coops. These are two of the principal causes of colds in young stock at this season of the year.

Crown Bone Cutter

EASIEST run, Fastest Cutter, Strong, Substantial build. Bone scrap means more eggs, higher percentage fertility. Own a "Crown" Cutter and have fresh bone for every feed. Dry Bone, Grain and Shell Mills, Hand and Power sizes. Free illus. catalogue. Est. 36 years. WILSON BROS., Dept. 16 Easton, Pa.

Best Made-Lowest in Price

PRINTING

FOR POULTRY RAISERS

500 Noteheads, 500 Envelopes, 500 Cards, delivered on receipt of \$3.50.

Low Prices on Other Work.

BUNKER-STRUCK PRINTING CO.,

824 E. MARKET, LOUISVILLE, KY.

HALLERS

Headquarters for Poultry Supplies

Agents for leading makes and brands of Incubators, Brooders, Poultry Supplies, Remedies, etc. Mail orders given prompt attention.

Haller's Pet Shop, 103 W. Mkt. St., Louisville, Ky.

S. C. BUFF LEGHORNS—QUALITY KIND

Bred to Lay. Raised to Win. For stock or eggs write

W. F. McREYNOLDS,

R. R. No. 3

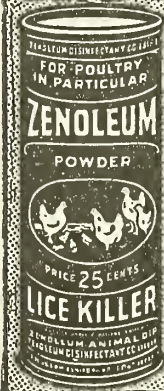
GRACEY, KENTUCKY

IF YOUR FOWLS HAVE CHICKEN POX OR SOREHEAD send at once for a bottle of NOX POX, the remedy that is destined to wipe out this dread disease. We have on file testimonials from all parts of the country. Sent postpaid for 50c. Full 4 oz. bottle with directions.

Havana Poultry Remedy Company,

Havana, Illinois

Rid Your Poultry of Pesky Lice!!



A Sure Shot Zenoleum Lice Killer gets quick action on lice, mites and disease germs of poultry. Safe to use and never fails.

ZENOLEUM Lice Powder

The Powder That Penetrates to the Skin

It has such "fluffiness" that it easily penetrates through the feathers to the skin. Used and endorsed by leading poultry men.

Get a Big 25c Package! Price at any dealers 25c or by mail postpaid 35c. Does the work or money back—no talk, no argument, just money back.

Book "HOME TREATMENT FOR POULTRY DISEASES"—FREE

Zenner Disinfectant Co., 660 Lafayette Ave., Detroit, Mich.

Kentucky State Fair

Sept. 11 to 16, 1916

Biggest and Best Poultry Exhibit
Held in the South.

All Standard Varieties, Uniform Cooping, Large
Cash Premiums, Silver Trophies, Specials, Etc.

The Poultry Show at the Kentucky State Fair is recognized as one of the leading in the United States. Don't fail to send a large string of your best birds. Coops furnished free and the best judges in the country. For premium list and entry blanks, address,

W. J. GOOCH, Secy, 6th Floor, Republic Bldg., Louisville, Ky.

Colds and Roup in Poultry.

By Dr. Jno. R. Koch, Charleston,
W. Va.

Colds and roup in poultry, their prevention and cure has received the attention of the poultry world for many years. I took it upon myself nearly three years ago to experiment with the various drugs recommended for these diseases and the result of my investigation has convinced me beyond a doubt that I have discovered a remedy and method of application entirely new to poultrydom. It has proven a positive preventative and cure of all diseases peculiar to the nose, throat and lungs of poultry.

Before going into the details of the Vapor Method and my research, I wish to state that the greatest preventative of all diseases, plain to the mind of the average poultryman, is cleanliness, since it is a well known fact that the nearer that we can arrive toward perfect sanitary conditions, the nearer we will come to wiping out the cause, and until we shall have attained sanitary perfection everywhere, the necessity of drugs is obvious, and until sanitary laws are enacted and enforced it is plain to be seen that the breeder will necessarily be compelled in some degree to resort to drugs as a second consideration to sanitation as a preventative and cure.

The fault that I and thousands of poultrymen have found in the ordinary present day methods of combating these diseases, are mainly the time consumed in administering the remedy, which usually is in the form of a tablet or powder, requiring the individual treatment of each infected bird. Secondly, the drawback of putting the drug in the drinking water or food, whereby the unaffected bird is in danger of eating or drinking from the same vessels as the diseased.

These faults are overcome in what I have termed the Vapor System of treating these diseases. I know the merits of this method of zenoleum vapor after three years' thorough trial, having used it with complete success in the very worst forms of roup and colds in their most dangerous stages. I am satisfied that I have discovered a remedy and the manner of application that will supersede all former methods of treatment. I have also noted the absence of lice on the birds and in the houses where the vapor was used.

The vapor treatment should appeal to the poultrymen owing to its simplicity of application if for no other

reason, although it combines the following merits:

1. That it is more economical than pills, tablets, powders and other forms of drugs.
2. That it is perfectly harmless.
3. That it benefits the well bird and cures the sick ones.
4. That it makes the individual treatment of birds unnecessary.
5. That it saves time and work and is positively effective.

I have been so thoroughly convinced of the practicability of the Vapor Method of treatment and have tested its merits covering a period of nearly three years before deciding to give same out for publication in order that my fellow-poultrymen may benefit by its use.

In order to treat the fowls suspected of being infected it will be necessary that I describe and illustrate by

sketches the apparatus needed to produce the vapor.

Have your tinner make a strong metal tube of galvanized iron eight inches high, six inches in diameter at the top, or just large enough that an ordinary stamped bottom pint tin cup will fit in the rolled rim of cup snugly, first breaking off the handle of the cup.

About five or six holes one inch in diameter should be cut out about one inch from the bottom, approximately equal distance apart, these are to ad-

Send only 50c to Poultry Breeder (Michigan) Battle Creek, Mich., for one year's subscription to second oldest Poultry Journal in the United States and a 50 cent bottle of Lice Killer FREE. Up to date poultry paper filled with the very best practical information, telling you how to be successful, from pens of the most successful poultrymen. Sample free.

Advertising rates very reasonable.

Original and Up-to-date, of progressiveness we boast, Since we first employed your *Uncle Sam* with his *Parcel Post*; Our *Sanitary* work brings a smile, makes happiness complete, It's *Guaranteed*. We return it *prompt*, packed secure and neat. Bundles fifty cents or over, the *Postage Both Ways* we pay, Write for Information (better still), *Send Trial Bundle Today*; *Charge Accounts* are opened to parties with reference, Tried once, this *Laundry* will always be your preference.

WRITE FOR INFORMATION

TRADE MARK
PAT. APPLD. FOR

The "ORIGINAL"
**PARCEL POST
LAUNDRY**
LOUISVILLE, KY.

THE POSTAGE WE PAY
ANYWHERE IN THE U.S.A.

Secretary's Entry Book



A very compact book, size 8 1/2 x 8 1/2 inches, giving ample space for making entries without crowding. Printed on best quality paper and handsomely bound. Our simple labor-saving system of special indexing is a feature that adds much to the book and affords a great saving of time in making entries. 100 Leaves \$2.00:



THE INDUSTRIOUS HEN, - - - Louisville, Ky.

mit air to the lamp. Four one-half inch holes should be cut out one and one-half inches from the top edge. Next a small incubator lamp should be provided, one with a small wick, as very little heat is required, the metal vaporizer tube is set over the lamp and the cup is filled about half full of zenoleum mixture, a two per cent solution is about the proper strength. Two teaspoonfuls of zenoleum to a pint of water is approximately a two per cent mixture. To this add a teaspoonful of olive or sweet oil. Some form of crate should be set over the whole in order that the vaporizer cannot be interfered with by the birds.

The vaporizer is put into operation only at night after the fowls have gone to roost, and is set near the center of the room. The above procedure I have found most satisfactory in a pen 8x10 feet, containing twenty-five birds. If the house is the open-front type, the curtains should be closed while the vaporizer is in use.

In order to determine that amount of zenoleum necessary per bird, the square feet of floor space must be taken into consideration and according to my investigations, I find that one vaporizer to every eighty to one hundred square foot of floor space, or, in other words, one vaporizer to every house or section 8x10 to 10x10 feet, is about right for the best results. Only enough heat should be maintained in the vaporizer to create a thin vapor, and not by any means a dense smoke. The height of the flame can be best determined by experiment.

A marked improvement in the birds is noted within forty-eight hours after the first treatment. I have never found it necessary to use the vaporizer more than three nights in a week's duration, and never had to resort to over four treatments to effect an apparently complete cure in even obstinate cases of roup. In conclusion, I will say that I have never found any indications of the return of the diseases after properly applying the above treatment, the total absence of that rousy odor, peculiar to this dis-

ease, and at the end of a week's treatment, the eyes and nose had resumed their natural clearness, the absence of rattle and heavy breathing, and being rewarded with the return of the song of the hens we like so much to hear.

The writer places his vaporizers into use every fall, as a preventative, beginning after all the fowls are placed in the laying houses for the winter. The old adage of "an ounce of prevention is worth a pound of cure" should be practiced by every poultryman.

My birds have been free of even the slightest colds for more than three years. I vaporize the houses containing my stock at least once a month, from September to February.

FANCY POULTRY AT AUCTION.

Innovation to be Pulled off at the Kentucky State Fair.

In order that all persons interested in purebred poultry may have an opportunity of supplying their wants at their own prices, the Kentucky State Fair is pulling off a mammoth auction sale of purebred poultry.

Mr. Eugene J. Straus, of the Ohio Falls Fanciers Association, and owner of the famous Maywood Poultry Farm, at Anchorage, is chairman of this committee, and has been instructed by Hon. Mat. S. Cohen, Commissioner of Agriculture, to spare no pain or expense to make this display and sale of poultry one of the features of the fair.

Col. H. E. Igleheart will be the auctioneer, and has a reputation of being the best stock auctioneer in the State of Kentucky.

No Charges Made.

There will be absolutely no charges made for the services of auctioneer or the caring for the birds, the entire expense to be carried by the State.

A large tent, securely and doubly anchored, will be placed just opposite

the large poultry building, and all the birds offered for sale will be on display in coops in this tent from Monday morning, the beginning of the fair, and continue on display until sold. The auction will start promptly at 10 o'clock on the morning of Thursday, September 14, and continue until all the birds are sold. In this tent will also be a display by the Kentucky Experiment Station of Lexington, Ky., and also a display by the Maywood Poultry Farm, called "from egg to hen," showing the chicken in various stages of growth and development.

Entry blanks for birds to be offered in this sale can be obtained from Eugene J. Straus, care Herman Straus & Sons Company, Louisville, Ky.

All birds offered for sale are to be shipped, prepaid, to Eugene J. Straus, chairman, Poultry Sales Department, Kentucky State Fair Grounds, Louisville, Ky.

ILLUSTRATIONS
of POULTRY
LIVE STOCK and
FARM SCENES
for CATALOGS
BOOKLETS and
ADVERTISING

QUALITY
and
SERVICE
CONSIDERED
OUR PRICES
ARE BELOW
PAR



"A CHICKEN"

by Tinsley-Mayer Engraving Co.

Illustrators & Engravers

4th & Green Sts

Louisville, Ky.

Just say you saw it in THE INDUSTRIOUS HEN.



Bring In More Money By Paying Out Less

Andrews' Efficiency Koop and Koop de Luxe save money. They're so cheap that it pays even if you only use them once. But you can use them over and over again. No hammer or nails. Put together easily, fold easily. They are light, strong and waterproof. Absolutely the most efficient and best way to ship poultry. You'll be convinced the very first time you use them.

For any disease, you can be sure of Andrews' Poultry Remedies. They have been tested and tried by experts. I have worked wonders with them on my farm.

Andrews' Obaco, "the miracle medicine," cures Roup, Gapes, Canker, Sorehead, White Diarrhea, by inoculation. Andrews' Disinfectant and Dip, Deathmite and Poultry Medicines stifle troubles of all kinds.

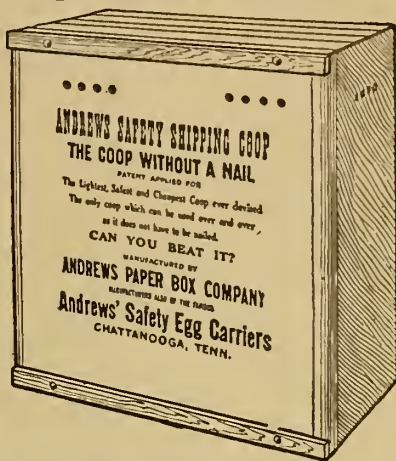
I also manufacture a complete line of drinking fountains, hoppers and feed boxes made from galvanized iron. The O.B. Andrews Co. are sole distributors of the Dandy Coal-Burning Colony Brooder—absolutely the best and most satisfying brooder you can buy—anywhere.

Write for the "Poultryman's Text Book," FREE. Tells the best ways to bring in more money by paying out less.



THE O. B. ANDREWS COMPANY

Dept. I-H, Chattanooga, Tenn.
"The World's Largest Poultry Specialty Manufacturers." All of our articles for sale by dealers throughout the world. If your dealer hasn't them, buy of us direct.



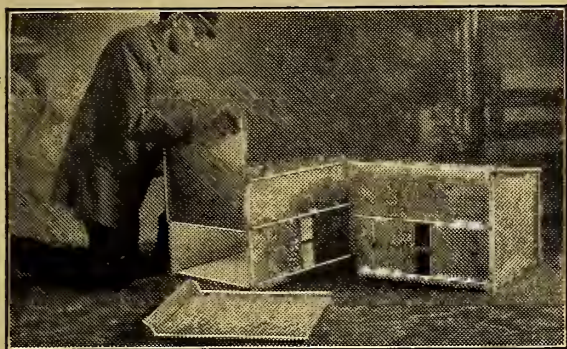
WHITE WYANDOTTES

Dixie's Quality Strain Northern-Southern winners. Record Layers. Furnishing winners for early FAIRS a specialty. Address

CARRINGTON JONES

BOX 145

BUNTYN, TENN.



THE DELPHOS

Superior Brooder Coop

Made of galvanized material. Rat-proof—sanitary—perfectly ventilated. Every part slides into place, fits snug and no tools but the two hands are required to set it up. Collapsible and easily stored when not in use. Special prices to agents. We can use a good agent in every locality. Write for particulars.

THE DELPHOS MFG. CO.

Dept. H.

Delphos, Ohio

Incubators
Incubator Stoves
Brooders
Fountains
Poultry Remedies
Dog Remedies
Thermometers
Leg Bands
Feed Hoppers

Feed Supplies and Parcel Post Boxes
FOR POULTRY, PETS AND GARDEN
Complete Stock Write for Catalogue

Wire Netting
Automatic Feeders
Egg Cartons
Poultry Cartons
Dressed Poultry
Cartons
Baby Chick Cartons
Vegetable Cartons
Garden Seed

HERMAN STRAUS & SONS CO.,
LOUISVILLE, KENTUCKY

Vermillion's Single Comb Rhode Island Reds

Are better than ever! Nearly every mail brings us letters from customers telling of the wonderfully beautiful REDS hatched and raised from our eggs from 1916 matings. We have an unequalled show record in Texas and we raise every single one of our winners. Stock and eggs reasonable. Write for prices on show birds.

MRS. J. F. VERMILLION

RUSK,

TEXAS

QUALITY WILL TELL

"Oaklawn Strain" White Plymouth Rocks

At the five shows where I exhibited this season I won 21 Firsts, 19 Seconds, 13 Thirds, 2 Fourths and 1 Fifth—a total of 56 prizes out of 66 entries. As the above facts prove, "OAKLAWN STRAIN" WHITE PLYMOUTH ROCKS hold their own wherever shown, as also in the egg-laying contests. My pen of pullets won two cups in the Missouri Egg-Laying Contest for 1914-1915. Stock for sale in singles, pairs, trios and pens, properly mated to produce the best there is in White Plymouth Rocks. Eggs for hatching from exhibition matings. Guarantee on stock "Satisfaction" or money refunded. On eggs "A Good Hatch"—you to be the judge. For illustrated mating and price list, address

W. B. JENKINS, PROP.,

OAKLAWN POULTRY YARDS,

Glendale, Ky.

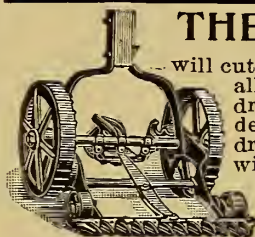
24 LEGBANDS FREE

MAKE YOUR HENS PAY



We send free 24 of the best Leg Bands made to every new and renewing subscriber to THE INDUSTRIOUS HEN at 50c. 36 Bands will be sent with a three years subscription for \$1.00. If you are already a subscriber you may renew; or if you will get your neighbor to send 50c for his subscription, we will send a dozen Leg Bands to each. Enclosed money order or stamps. Mention "Leg Bands" when subscribing under this offer.

BLAIR-YOUNG PUB. CO. LOUISVILLE, KENTUCKY.



THE CLIPPER

will cut tall and short grass, do all trimming along walks, drives and fences. If your dealers haven't them, drop us a line and we will send circulars and prices.

Clipper Lawn Mower Co.
5th St., Dixon, Ill.

LOYD'S PARTRIDGE ROCKS

Big winners at the Big Shows. Stock eggs and Baby Chicks for sale. Eggs half price after May 15th. Circular free.

C. J. LOYD & SON,

Greensburg, Farm R. R. No. 4 Indiana



Reliable Poultry Journal

3 MONTHS' Trial Sub. 10c

Tells how to succeed with poultry. 1 year, 50 cents; 3 years, \$1.00.

Reliable Poultry Journal Pub. Co., Dept. 589. Quincy, Ill



NO LICE

WITH LAMBERT'S

Old Reliable, Kill-Em-Quick Lice Exterminator, "Death to Lice" Sold everywhere. Everybody knows Lambert's. Saves young chicks, makes hens happy—Sample 10c. 100 oz. \$1. Book free. Get it.

The Klein-Lambert Co., Traders Bldg., Chicago



BRISCOE ^{\$}625

FULLY EQUIPPED

THE CAR WITH THE HALF MILLION DOLLAR MOTOR

More than a million cars bore the mark of his genius. Then he built this, his life's masterpiece.

Benjamin Briscoe is one of the founders of the automobile industry. He has been identified with the construction of more than a million light cars. As the climax of his career, he undertook the construction of an automobile of the highest possible class at a price within reach of all.

Benjamin Briscoe went to Paris and for two years surrounded himself with fourteen of the most famous European engineers—German, French, Swiss—and there welded together his own genius and the world's best motor knowledge at a cost of a half million dollars.

So came into being the Half Million Dollar Motor—the longest long stroke motor in America. Remarkable economy of travel was achieved. Gasoline

then cost over fifty cents a gallon in France. The unique combination of water cooling and air cooling makes it possible for the Briscoe 4-24 to run 25 to 30 miles per gallon.

Light, sturdy, balanced, tested and proved, it represents the ideal automobile for family use. If you are six feet tall we invite you to sit at the wheel or repose in the tonneau. You will find ample leg room. Have your wife or daughter drive the Briscoe 4-24. The power thrills under her touch into joyous travel through the land of Everywhere. The woman driver has positive control at all times—she shifts gears with her finger tips, and the slightest foot pressure operates clutch and brake pedals.

The Briscoe 4-24 has every modern convenience. Think of other light cars and note that if you added to them the Briscoe built-in equipment, these cars would cost \$200 and \$300 more.

SEND NOW FOR BENJAMIN BRISCOE'S ABSORBING STORY OF THE HALF MILLION DOLLAR MOTOR, an inspiring illuminated little volume that is a new chapter of automobile history, studded with interesting touches of foreign flavor and romantic achievements. Benjamin Briscoe describes how the Half Million Dollar Motor was originated with the assistance of fourteen famous European engineers. You'll find it as interesting as a Dumas novel. Use the coupon.

SPECIFICATIONS—BRISCOE—"The Car with the Half Million Dollar Motor."

The Half Million Dollar Motor—Longest long stroke motor in America; 3 1-8 inch bore by 5 inch stroke; bore and stroke ratio 1.64; four cylinders cast en bloc integral with crank case, having a detachable cylinder head plate; lower crank case forms oil reservoir; valves on the right side; 1 7-16 inch diameter in clear and completed enclosed. Wheelbase—105 inches. Lubrication—Oil pump and splash system. Carburetor—Automatic.

Drive—Left; **Control**—center.

Bodies—Latest 1917 straight streamline design; comfortable room for five passengers; leg room in tonneau and front of car for a six foot man; extra high grade quality of upholstery; 46 inch rear seat; Roadster—Four Passenger.

Front Axle—I-beam section drop forged with special Briscoe fixed king bolts.

Rear Axle—Floating type.

Springs—Full elliptic front and rear.

Tires—30 x 3 1-2 inches all around; anti-skid tires in rear.

Equipment—Two electric head lights with dimmers; one man top with envelope and adjustable storm curtains; tilted eye-saver windshield; speedometer; oil-gauge; gasoline gauge; demountable rims, one extra.

Prices—Five-passenger touring car \$625. Four-passenger roadster \$625; f. o. b. Jackson, Michigan. In Canada, \$825; f. o. b. Brockville, Ont.

Briscoe Motor Corporation,
Jackson, Michigan.

Send to me, address below, copy of "The Half Million Dollar Motor," by Benjamin Briscoe.

Name _____

Street _____

Town _____

L. H. _____

BRISCOE MOTOR CORPORATION, Dept. M, Jackson, Mich.
The Canadian Briscoe Motor Car Company, Ltd., Brockville, Ont.